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**Annual Technical Report for
ACCESS for ELLs 2.0 Paper English Language Proficiency Test,
Series 401, 2016–2017 Administration**

**Annual Technical Report No. 13B
Volume 2 of 3: Analyses of Test Forms**

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April 25, 2018

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5. Analyses of Test Forms: Overview

This chapter contains two parts. The first part provides background information on the technical measurement and statistical tools used to analyze ACCESS 2.0 Paper. The second part explains the results that are presented for each test form in Chapter 6.

5.1 Background

5.1.1 Measurement Models Used

The measurement model that forms the basis of the analysis for the development of ACCESS for ELLs is the Rasch measurement model (Wright & Stone, 1979). Additional information on its use in the development of the test is available in ACCESS for ELLs Technical Report No. 1, *Development and Field Test of ACCESS for ELLs* (Kenyon, 2006). The test was developed using Rasch measurement principles, and in that sense, the Rasch model guided all decisions throughout the development of the assessment and was not just a tool for the statistical analysis of the data. Thus, for example, data based on Rasch fit statistics guided the inclusion, revision, or deletion of items during the development and field testing of the test forms.

For Listening, and Reading, the dichotomous Rasch model was used as the measurement model. Mathematically, the measurement model may be presented as

$$\log\left(\frac{P_{ni1}}{P_{ni0}}\right) = B_n - D_i$$

where:

P_{ni1} = probability of a correct response “1” by person “n” on item “i”

P_{ni0} = probability of an incorrect response “0” by person “n” on item “i”

B_n = ability of person “n”

D_i = difficulty of item “i”

When the probability of a person getting a correct answer equals the probability of a person getting an incorrect answer (i.e., 50% probability of getting it right and 50% probability of getting it wrong), P_{ni1}/P_{ni0} is equal to 1. The log of 1 is 0. This is the point at which a person’s ability equals the difficulty of an item. For example, a person whose ability is 1.56 on the Rasch logit scale encountering an item whose difficulty is 1.56 on the Rasch logit scale would have a 50% probability of answering that question correctly.

For the Writing and Speaking tasks, a Rasch-grouped rating scale model is used. Mathematically, this can be represented as

$$\log\left(\frac{P_{ngik}}{1 - P_{ngi(k-1)}}\right) = \beta_n - D_{gi} - F_{gk}$$

where

P_{ngik} = probability of person “n” on task “i” receiving a rating at level “k” on rating scale “g”

$P_{ngi(k-1)}$ = probability of person “n” on task “i” receiving a rating at level “k - 1” on rating scale “g” (i.e., the next lowest rating)

β_n = ability of person “n”

D_{gi} = difficulty of task “i” specific to rating scale “g”

F_{gk} = calibration of step “k” on rating scale “g”

The subscript “g” is a group index specifying the group of tasks to which task “i” belongs. It also identifies the scoring scale that was used for the group of tasks.

As described in section 1.6.2, ratings on the ACCESS 2.0 Writing Scoring Scale range from 0, 1, 1+, ..., 6 and the possible raw scores range from 0-9. All Writing tasks are scored using this scoring scale except for Grade 1 Tier A Task 1 and 2. The profiles of the responses to these two tasks do not fit the generic scoring scale well, so additional task-specific instructions are provided to raters. These instructions guide raters in applying a limited number of score points on the scoring scale to responses elicited by these two tasks. The possible ratings for Grade 1 Tier A Task 1 are 0 or 1 and the possible ratings for Grade 1 Tier A Task 2 are 0, 1, 1+, or 2. To simplify the year-to-year linking process, the Grade 1 Writing Tier A Task 1 is treated as a dichotomously-scored task. The Grade 1 Writing Tier B Task 2 is modeled using a rating scale with possible raw score of 0 to 3. All other Writing tasks are modeled using a rating scale with possible raw scores of 0 to 9. Thus there are total of two rating scales being modeled for ACCESS Writing. One rating scale is associated with the Grade 1 Writing Tier A Task 2, and the other rating scale is associated with all Writing tasks that are scored using the rating scale with raw score values 0 to 9.

For Speaking, PL 1 tasks are modeled as a group on a 0–2 scale and PL 3 and PL 5 tasks are modeled as a group on a 0–4 scale.

All Rasch analyses were conducted using the Rasch measurement software program *Winsteps* (Linacre, 2006). Rasch statistics are presented in several of the tables that follow. When speaking of the measure of examinee ability, we use the term *ability measure* (rather than *theta* used commonly when discussing models based on Item Response Theory). When speaking of the measure of how hard an item was, we use the term *item difficulty measure* (rather than the *b parameter* used commonly when discussing models based on Item Response Theory). *Step measures* refer to the calibration of the steps in the Rasch Rating Scale model presented above. All three measures (ability, difficulty, and step) are expressed in terms of Rasch logits, which then are converted into scores on the ACCESS score scale for reporting purposes (see ACCESS

for ELLs Technical Report No. 1, *Development and Field Test of ACCESS for ELLs* [2006] for more details).

Rasch model standard errors also appear in the tables. These are an indication of the precision with which the measures have been estimated. Unlike the Standard Error of Measurement (SEM) based on classical test theory, which posits the same SEM for all persons, regardless of where on the ability distribution they are, Rasch model standard errors are conditional on the individual's ability measure. All things being equal, if a person gets few items correct or few items incorrect, the standard error of that person's measure will be greater than if a person gets a moderate number of items correct. In addition, for ability measures, standard errors are a function of the number of items on a test form as well as the distribution and quality of the items (i.e., their fit to the Rasch model).

Also included in some of the tables are fit statistics for the Rasch model. These statistics are calculated by comparing the observed empirical data with the data that would be expected to be produced by the Rasch model. Of the several statistics available, the mean square fit statistics were used to flag items in the development of ACCESS that needed to be deleted or revised and are presented in the appropriate tables. Outfit mean square statistics are influenced by outliers. For example, a difficult item that, for some reason, some low ability examinees get correct will have a high outfit mean square statistic that indicates that the item may not be measuring the same thing as other items on the test. Infit mean square statistics are influenced by more aberrant response patterns and generally indicate a more serious measurement problem. The expectation for both of these statistics is 1.00 and values near 1.00 are not of great concern. Values less than 1.00 indicate that the observations are too predictable and thus redundant, but are not of great concern. High values are more of a concern.

Linacre (2002), the author of the Winsteps software program, provides more guidance on how to interpret these statistics for test items. He writes:

- values greater than 2.0 “distort or degrade the measurement system;”
- values between 1.5 and 2.0 are “unproductive for construction of measurement, but not degrading;”
- values between 0.5 and 1.5 should be considered “productive for measurement;” and
- values below 0.5 Linacre calls “less productive for measurement, but not degrading.”

Linacre also states in his guidance that infit problems are more serious to the construction of measurement than are outfit problems.

Because conservative guidelines were followed in the development of ACCESS for ELLs, the vast majority of dichotomous items on the test forms have mean square fit statistics in the range of 0.5 and 1.5; thus, they fit the range that is “productive for measurement” according to the guidelines above.

Since performance tasks are constructed and scored very differently from dichotomous items, it is not as straightforward to apply this same guidance to interpret these fit statistics to performance tasks that are scored polytomously. Some performance tasks that were designed to elicit a restricted range of performances (for example, very easy tasks, for which it is expected that most students will get the highest score) can cause the model to predict the data too well (overfitting). Conversely, when performance tasks are scored using a very wide rubric scale, such as the case with ACCESS for ELL Writing tasks, sometimes un-modeled noise or other sources of variance in the data will cause the model to under predict the data (under-fitting). Overall, for ACCESS for ELL performance tasks, overfitting is more common than under-fitting. Under-fitting indicates that the task is less productive for measurement, but it is not degrading to the measurement of student performance.

5.1.2 Data

The results presented in most of the tables in Chapter 6 are based on the full data set of all students who were administered operational ACCESS 2.0 Series 401 Paper in the academic year 2015–2016, with the exception of some students as described in Section 3.1. Also excluded from the data used to produce the results in Chapter 6 are students from the state of Michigan.

5.1.3 Equating and Scaling

No equating summaries are provided for ACCESS 2.0 Series 401 Paper Listening and Reading domains since the items were drawn from the ACCESS 1.0 Series 303 assessment (see Section 1.3.3). Throughout the duration of ACCESS for ELLs 1.0, annual equating procedures were conducted to ensure that test results were reported on a consistent scale, year-to-year. This annual equating is the process used to maintain the ACCESS score scale. For equating summaries for ACCESS 1.0 Series 303 assessment, see the Annual Technical Report for Series 303 (Center for Applied Linguistics, 2016).

Equating summaries are provided for ACCESS 2.0 Series 401 Paper Writing and Speaking. Series 401 Paper Writing and Speaking tasks are exactly the same as Series 401 Online Writing and Speaking. Some Writing and Speaking items were refreshed where a certain number of items on each test form is refreshed.

Complete information on the horizontal and vertical scaling of ACCESS scores is provided in ACCESS for ELLs Technical Report No. 1, *Development and Field Test of ACCESS for ELLs* (2006). In brief, this scaling was accomplished during the field test based on an elaborate common item design, both across tiers and across grade-level clusters, which spanned two series of complete test forms. Concurrent calibration was used to determine item difficulty measures. These item difficulty measures were used to create the ACCESS scale scores used to report

results on the test. In the domains of Listening and Reading, the scaling equations from the original ACCESS scaling study continue to be used.

In the domains of Writing and Speaking, a scale reconstruction study was conducted in summer 2016, and new scaling equations were derived (see Center for Applied Linguistics, 2016).

Table D in Section 6 provides the equation for converting Rasch ability measures in logits to ACCESS scale scores.

5.1.4 DIF Analyses

Differential item function analyses (DIF) attempt to investigate whether performances on items were influenced by factors extraneous to English language proficiency (i.e., the construct being measured on the test). In other words, they attempt to find items that may be functioning differently for different groups based on criteria irrelevant to what is being tested. The performance of students on ACCESS 2.0 Paper items was compared by dividing students into two different groupings: first, males versus females; second, students of Hispanic ethnic background versus students of all other backgrounds. (For both analyses, students for whom gender or ethnicity was missing were excluded.) Two commonly used procedures for detecting DIF were used: one for dichotomously scored items (Listening and Reading) and one for polytomously scored items (Writing and Speaking).

5.1.4.1 Dichotomous Items

Following procedures that were originally proposed by Educational Testing Service (ETS), the Mantel-Haenszel (M-H) Chi-square statistic (Mantel & Haenszel, 1959) was used for dichotomous items. This procedure compares item-level performances of students in the two groups (e.g., males versus females) who are divided into subgroups based on their performance on the total test. It is assumed that, if there is no DIF, at any ability level (based on performance on the total test), a similar percentage of students in each group should get the item correct. The M-H Chi-square statistic is used to check the probability that the two groups performed similarly on each item across the ability groupings. The statistic is transformed into the “M-H delta” scale. This scale is symmetrical around zero, with a delta zero interpreted as indicating that neither group is favored. A positive result indicates that one group is favored; a negative result indicates that the other group is favored.

Because DIF is measured on a continuous scale, and because most items are likely to show some degree of DIF, it is useful to have guidelines to determine when the level of DIF is worrying. We follow the guidance provided by ETS to classify items into DIF levels as follows:

- A (no DIF), when the absolute value of delta was less than 1.0
- B (weak DIF), when the absolute value of delta was between 1.0 and 1.5
- C (strong DIF), when the absolute value of the delta was greater than 1.5

The software program *EZDIF* (Waller, n.d.) was used to run the DIF analyses for all forms containing dichotomous items. For each test form, the greatest number of ability level groupings is used; however, for many test forms, students scoring some of the lowest and highest raw scores need to be grouped together in order to have enough cases in each cell for the statistic to be appropriately calculated. (Note that this software program uses a two-step purification process; that is, items with C-level DIF in the first pass are removed from the matching variable in the second stage, and the DIF is then recalculated for the remaining items.)

5.1.4.2 Polytomous Items

For polytomous items (i.e., Writing and Speaking tasks), a similar approach is used. It is based on the M-H Chi-square statistic and the standardized mean difference following procedures again developed by ETS. The DIF procedures developed by the ETS (Zwick, Donoghue, & Grima, 1993; Allen, Carlson, & Zalanak, 1999) for polytomous items were used for identifying tasks that exhibit DIF. JMetrik (Meyer, 2014), an open source computer program for psychometric analysis, was used in conducting the analyses. The procedures implemented in JMetrik first calculate the Cochran-Mantel-Haenszel Chi-square statistic and determine its probability of significance. This statistic gives an indication of the probability that observed differences are the result of chance but does not indicate how significant that difference is. To indicate how significant the difference is, the standardized mean difference (SMD) between the performances of the two groups being compared is calculated. The SMD compares the means of the two groups, adjusting for differences in the distribution of the two groups being compared across the values of the total raw scores. To standardize the outcome, this difference is divided by the item score range and serves as an effect size measure for the Cochran-Mantel-Haenszel Chi-square statistic. This effect size measure (reported as standardized P-DIF in JMetrik) ranges from -1 to 1, which may present some challenges when interpreting it. To mitigate this, the absolute value is taken in JMetrik (Meyer, 2014), thereby restricting the range of the rescaled effect size (standardized P-DIF*) to fall between 0 and 1. The effect size flagging criterion for polytomous items, proposed by ETS (Allen, Carlson, & Zalanak, 1999), is also rescaled to the standardized P-DIF* metric (Meyer, 2014).

Following guidance proposed by ETS for the NAEP assessment (Allen, Carlson, & Zalanak, 1999), ACCESS 2.0 Writing and Speaking tasks are classified into three DIF levels as follows:

- AA (no DIF), when the Cochran-Mantel-Haenszel Chi-square statistic is not significant or when it is significant and standardized P-DIF* is less than 0.05
- BB (weak DIF), when the Cochran-Mantel-Haenszel Chi-square statistic is significant and standardized P-DIF* is greater than or equal to 0.05 but less than 0.10
- CC (strong DIF), when the Cochran-Mantel-Haenszel Chi-square statistic is significant and standardized P-DIF* is greater than or equal to 0.10

Table B provides a summary of the findings of the DIF analyses at the top, followed by detailed information for each item or task. The first column gives the DIF level: A, B, or C for dichotomous items or AA, BB, or CC for polytomous tasks (i.e., Writing and Speaking tasks). The next columns show the contrasting groups in the DIF analyses: either male versus female or Hispanic versus other ethnicities. Even though DIF may be negligible (category A or AA), this table shows the number of items that favored one group or the other at all levels of DIF. Optimally, even when items are all in category A or AA, there should be roughly an even number of items favoring each of the two groups to ensure that there is no systematic biasing test effect across items.

5.1.5 Analysis of Writing and Speaking Forms

As noted in Chapter 1, Section 1.2.5, ACCESS 2.0 Series 401 Paper has three tiers, and students' test booklets are printed with the tier designation (A, B, or C). In the Listening and Reading domains, Tiers A, B, and C are each different test forms. In Writing and Speaking, however, Tier B and Tier C tests are identical for every grade-level cluster.

In the analyses in Chapter 6, descriptive statistics for Writing and Speaking (distribution of raw score, scale score, and proficiency level) are computed separately for students who took the Tier B designation and students who took the Tier C designation. Statistics which apply to the test as a whole are computed by pooling all of the Tier B and Tier C students for the grade or grade-level cluster, so that students who took the same form are included in the same analysis. Statistics presented in this fashion are included in Table F (Reliability), Table G (Complete Item Analysis and Summary), Table H (DIF Analysis and Summary), Table I (Raw Score to Scale Score Conversion), and Table J (Raw Score to Proficiency Level Conversion).

5.2 Descriptions of Tables and Figures

The following paragraphs describe the tables that follow and are repeated for each test form in each domain.

5.2.1 Raw Score Information (Figure A and Table A)

Figure A and Table A relate to the raw scores on each test form. Listening and Reading are scored dichotomously (i.e., correct or incorrect); thus, the highest possible score was the number of items on the test form.

The range for raw scores on the Writing test depends on the test form. For Grade 1 Tier A, the range is 0–40. For all other grade-level clusters, the range on the Tier A test is 0–27. For all Tier B or C tests, the range is 0–54 (see Section 1.6.2 for more information on raw scores for Writing).

The range for raw scores on the Speaking test is either 0–18 (Tier A) or 6–30 (Tier B or Tier C) (see Section 1.6.3 for more information on raw scores for Speaking).

For each test form, Figure A shows the distribution of the raw scores. The horizontal axis shows the raw scores. The vertical axis shows the number of students (count). Each bar shows how many students were awarded each raw score.

Table A shows, by each grade and by total for the grade-level cluster:

- the number of students in the analyses (the number of students who were not absent, invalid, refused, exempt, or in the wrong grade-level cluster),
- the minimum observed raw score,
- the maximum observed raw score,
- the mean (average) raw score, and
- the standard deviation (std. dev.) of the raw scores.

5.2.2 Scale Score Information (Figure B and Table B)

Figure B and Table B relate to the ACCESS 2.0 Paper scale scores on each test form. For each test form, raw scores were converted to vertically-equated scale scores. (The raw score to scale score conversion table for each test form is presented as the second to last table—Table I—in each section.)

Thus, for each test form, Figure B shows the distribution of the scale scores. The horizontal axis shows the scale scores based on performances on the test form. To provide full perspective, it extends somewhat below and above the range of possible or observed scale scores. The vertical axis shows the number of students (count). Each bar shows how many students were awarded each scale score.

Table B shows, by each grade and by total for the grade-level cluster:

- the number of students in the analyses,
- the minimum observed scale score,
- the maximum observed scale score,
- the mean (average) scale score, and
- the standard deviation (std. dev.) of the scale scores.

Note that scale scores for Tier A and Tier B in Listening and Reading are capped. Within each grade, the highest possible scale score for Tier A is the scale score corresponding to the cut score for PL 4 (i.e., proficiency level score of 4.0). For Tier B, the highest possible scale score within each grade is the score corresponding to the cut score for PL 5 (i.e., proficiency level score of 5.0). Because of these grade-level cut scores, the scale score associated with a given proficiency level score, as well as the cap, increases by grade within a grade-level cluster. For example, for Reading 6–8 Tier A, the scale score is capped at 373 for Grade 6, 380 for Grade 7, and 386 for Grade 8 (see Table 6.6.2.1B). Thus, a Grade 6 student with a raw score of 24 (out of 24) on that

test will have a scale score of 360, a Grade 7 student with the same raw score will have a scale score of 369, and a Grade 8 student with the same raw score will have a scale score of 376. However, all three students would have a proficiency level score of 4.0. For more information, see ACCESS for ELLs Technical Report No. 1, *Development and Field Test of ACCESS for ELLs* (Kenyon, 2006).

Also note that, because the scale is vertically equated, the range of scale scores moves up the scale from one grade-level cluster to the next. Thus, a Grade 2 student with a raw score of 0 on the Tier A Listening test would have a scale score of 108, while a Grade 5 student with a raw score of 0 on the Tier A Listening test would have a scale score of 120.

Similarly, scale scores at the lower end may be truncated so that the lowest achievable proficiency level score is 1.0. Again, this results in a lower minimum scale score for students in lower grades within a grade-level cluster.

The influence of these caps will also be noticed in Figure B, as well as in many other tables throughout the report.

5.2.3 Proficiency Level Information (Figure C and Table C)

Figure C and Table C provide information on the proficiency level distribution of the students who took the test form based on their performance. Thus, for each test form, Figure C shows the information graphically for the grade-level cluster as a whole. The horizontal axis shows the six WIDA proficiency levels. The vertical axis shows the percentage of students. Each bar shows the percentage of students who were placed into each proficiency level in the domain being tested on this test form.

Each row of Table C shows, by grade and by total for the grade-level cluster:

- the WIDA proficiency level designation (1–6),
- the number of students (count) whose performance on the test form placed them into that proficiency level in the domain being tested, and
- the percentage of students, out of the total number of students taking the form who were placed into that proficiency level in the domain being tested.

(Note that for Kindergarten and Tier A tests in some domains, it was not possible to place into all proficiency levels. Figure C and Table C also clearly show the effect of the scoring cap on Tiers A and B.)

5.2.4 Scaling Equation Table (Table D)

Table D provides the scaling equation for each domain. This equation is used to convert an examinee's ability measure into the scale score. Because ACCESS for ELLs is vertically equated (see Section 5.1.3 above), though each domain has its own equation, the same equation is used across all tiers and grade-level clusters within each domain.

5.2.5 Equating Summary (Table E)

For Series 401 Paper, equating summaries are provided for Writing and Speaking only. In the domains of Listening and Reading, items were drawn from the Series 303 assessment (see Section 1.3.3), therefore no equating summaries are provided. For equating summaries for Series 303, please refer to ACCESS 1.0 Series 303 Annual Technical Report (Center for Applied Linguistics, 2016) Series 401 Paper Writing and Speaking tests are the same as Series 401 Online Writing and Speaking tests and the equating analyses were conducted using the Online students' responses. The equating summaries provided in this section contain the same information as the equating summaries for Series 401 Online Writing and Speaking tests (provided in the technical report for ACCESS Series 401 Online).

Series 401 Paper Writing and Speaking each include tasks which were included on Series 400 Writing and Speaking, and tasks which are new to Series 401. An equating procedure known as common-item equating is used to equate the results on the new forms to the older forms. In this procedure, the difficulty measures for items that appear on both the new and the old forms are kept constant across both forms. Thus, performances on the newer form may be interpreted with the same frame of reference. Many tasks appearing on ACCESS 2.0 Paper Series 401 also appeared on Series 400. All tasks common to both forms were anchored to their 400 values in the first equating run. In addition, for the Speaking domain, difficulty measures for the new tasks were anchored to their initial calibrated values from the Speaking field test analysis.¹ After the first equating run, some items that were originally anchored proved to have changed in their difficulty measure. This change is measured by the “Displacement” statistic. This statistic shows the difference between the difficulty value of the anchored item and what the difficulty value would have been had it not been anchored. Typically, random displacements of less than 0.5 logits are unlikely to have much impact on measurement in a test instrument (Linacre, n.d.). For Writing tasks, if this value was large (i.e., usually above .30 or below -.30), that item was unanchored in the final equating run (i.e., it was treated as if it were a new item). For Speaking tasks, a slightly different displacement criterion (above .50 or below -.50) was used since anchored tasks from the Speaking domain have been shown to be less stable than items and tasks from other domains.

For the Writing domain, the equating analysis was conducted using Series 401 Online operational data collected during the early testing window. The Writing equating study was conducting a random sample drawn with a target sample size of 3,000 students per grade-level cluster. The Writing equating sample was drawn proportionate to the Series 400 population for the Writing domain, by grade and tiered form.

For the Speaking domain, student data from the Series 401 Online appended Speaking field test administration were used to conduct the initial equating. These initial item parameters were then verified using Series 401 Online operational data collected during the early testing window. The

¹ The Speaking field test was administered only to those students who take ACCESS Online. For detail on the administration of the appended Speaking field test, please see the companion report for Series 401 Online.

verification study was conducted using a random sample drawn with a target of 3,000 Online students per grade-level cluster, proportionate to the Series 400 Online Speaking population by grades and tiers.

Table E presents a summary of the equating procedures. The first section of the table compares the current test (i.e., the Series 401 version of that test form) to the previous year's test (i.e., the Series 400 version of that test form). The number of items, the average item difficulty, the standard deviation of the item difficulty values, and the difficulty value of the easiest and hardest item on each test form are shown. These values are in terms of logits used in the Rasch measurement model.

The second section of the table presents information on the anchoring items. The total number of possible anchors (i.e., all common or items with previously calibrated field test measures) is shown, as well as the standard deviation of those item parameters. Next, the number of items that were actually anchored in the final equating run is shown, again with the average item difficulty and standard deviation. Finally, the percentage of items that served as anchors and the average displacement value is given. Generally speaking, the greater the number of tasks anchored and the closer the average displacement is to 0.00, the more trustworthy the equating results will be.

For Writing and Speaking tasks, the table next provides the anchored step measures for the total score on each task. For the ACCESS Writing and Speaking tasks, a Rasch-group rating scale model is used (see 5.1.1 above). For Writing, the step difficulty values are the same for all the tasks that are scored on the 0-9 raw score scale. These constant step difficulty values help to provide anchors in the calibration of new Writing tasks onto the common WIDA score scale each year. For Speaking, the step difficulty values for all P1 tasks are the same and the step difficulty values for all P3 and P5 tasks are the same. As with Writing, these constant step difficulty values help to provide anchors in the calibration of new Speaking tasks onto the common WIDA score scale each year.

The final section of Table E shows the location of the anchor items or tasks, both by order of displacement statistics and by order of item difficulty. The displacement statistics provide information on the difference between the difficulty value of the anchored item and what that difficulty value would have been had the item not been anchored. Smaller displacement statistics indicate more consistency between the item's difficulty value on the Series 401 test form and on the Series 400 test form. It is desirable that the anchor items represent a wide range of difficulties across the entire spectrum of the item difficulty values on a test form. The greater the representation across the difficulty range, the more trustworthy the equating results will be.

Note that because the Kindergarten test form was newly created for Series 200, it was not equated to the Series 103 test. Therefore, Table E is not included for Kindergarten. For technical details on the Kindergarten test, see MacGregor, Kenyon, Gibson, and Evans (2009).

Additionally, in the other grade-level clusters, scores for the Speaking test are based on a content analysis rather than on equating to previous forms; therefore, Table E is included only to verify that the raw score to scale score conversion remains within reasonable parameters.

5.2.6 Test Characteristic Curve (Figure D)

Figure D graphically shows the relationship between the ability measure (in logits) on the horizontal axis and the expected raw score on the vertical axis. Five vertical lines indicate the five cut scores for the highest grade in the grade-level cluster for the test form, dividing the figure into six sections for each of the WIDA proficiency levels (PLs 1–6) for the domain being tested. (Note that for Kindergarten and Tier A tests in some domains, it was not possible to place into all six proficiency levels.) As would be expected, higher raw scores are required to be placed into higher proficiency levels. The relative width of each section between the cut score lines, however, gives an indication of how many items on that form must be answered correctly (or how many points on the Writing section must be earned) to be placed into a WIDA proficiency level.

5.2.7 Test Information Function (Figure E)

With the Rasch measurement model, as with any measurement model following Item Response Theory, the relationship between the ability measure (in logits) and the accuracy of test scores can be modeled. It is recognized that tests measure most accurately when the abilities of the examinees and the difficulty of the items are most appropriate for each other. If a test is too difficult for an examinee (i.e., the examinee scores close to zero), or if the test is too easy for an examinee (i.e., the examinee receives a perfect or near-perfect score), accurate measurement of the examinee’s ability cannot be made. The test information function shows graphically how well the test is measuring across the ability measure spectrum. High values indicate more accuracy in measurement. Thus, for each test form in Listening and Reading, Figure E shows the relationship between the ability measure (in logits) on the horizontal axis and measurement accuracy, represented as the Fisher information value (which is the inverse squared of the standard error), on the vertical axis. The test information function, then, reflects the conditional standard error of measurement.

Again, as in Figure D, five vertical lines in Figure E indicate the five cut scores for the highest grade in the grade-level cluster for the test form, dividing the figure into six sections for each of the WIDA language proficiency levels (1–6) for the domain being tested. (Note that for Kindergarten and Tier A tests in some domains, it was not possible to place into all six proficiency levels. Note also that, although Listening and Reading scores on Tiers A and B were capped, all five horizontal lines indicating the cut points remain in this figure.) It is important that each test form measures most accurately in the areas for which it is primarily used to make classification decisions. In other words, optimally, the test information function should be high for the cuts between 1/2 and 2/3 for Tier A test forms; between 2/3, 3/4, and 4/5 for Tier B test forms; and between 3/4, 4/5, and 5/6 for Tier C test forms.

5.2.8 Reliability (Table F)

In contrast to Figure E, which is based on the Rasch measurement model, Table F presents reliability and accuracy information based on classical test theory. It shows:

- the number of students,
- the number of items,
- Cronbach’s coefficient alpha (as a measure of internal consistency), and
- the classical standard error of measurement (SEM) in terms of raw scores.

Cronbach’s coefficient alpha is widely used as an estimate of reliability, particularly of the internal consistency of test items. It expresses how well the items on a test appear to measure the same construct. Conceptually, it may be thought of as the correlation obtained between performances on two halves of the test, if every possibility of dividing the test items in two were attempted. Thus, Cronbach’s alpha may be low if some items are measuring something other than what the majority of the items are measuring. As with any reliability index, it is affected by the number of test items (or test score points that may be awarded). That is, all things being equal, the greater the number of items, the higher the reliability.

Cronbach’s alpha is also affected by the distribution of ability within the group of students tested. All things being equal, the greater the heterogeneity of abilities within the group of examinees (i.e., the more widely the scores are distributed), the higher the reliability. In this sense, Cronbach’s alpha is *sample dependent*. It is widely recognized that reliability can be as much a function of the test as of the sample of students tested. That is, the same test can produce widely disparate reliability indices based on the ability distribution of the group of examinees. Because ACCESS 2.0 Paper is a tiered test (that is, because each form in Tier A, B, or C targets only a certain range of the entire ability distribution), results for reliability on any one form, particularly for the shorter Listening test, may at times be lower than typically expected.

The formula for Cronbach’s alpha is

$$\alpha = \frac{n}{n-1} \left[1 - \frac{\sum_{i=1}^n \sigma_i^2}{\sigma_t^2} \right]$$

where

n = number of items i

σ_i^2 = variance of score on item i

σ_t^2 = variance of total score

Table F also presents the SEM based on classical test theory. Unlike Item Response Theory, in this approach, SEM is seen as a constant across the spread of test scores (ability continuum). Thus, it is not conditional on ability being measured. It is, however, a function of two statistics: the reliability of the test and the (observed) standard deviation of the test scores. It is calculated as

$$SEM = SD\sqrt{1 - reliability}$$

Traditionally, SEM has been used to create a band around an examinee’s observed score, with the assertion in the view of classical test theory, that the examinee’s true score (i.e., what the examinee’s score would be if it could be measured without error) would lie with a certain degree of probability within this band. Statistically speaking, then, there is an expectation that an examinee’s true score has a 68% probability of lying within the band extending from the observed score minus 1 SEM to the observed score plus 1 SEM.

For the Writing tests (except Kindergarten, which is scored by the test administrator), information on interrater reliability for a sample of 20% of the task raters, is also provided in Table F. This portion of the table shows, for each of the tasks, the percentage of agreement between two raters. In this part of the table, the first column shows the task and the second column shows the number of responses that were double scored. DRC selects a sample of 20% of all responses scored, chosen at random during the operational scoring process. The next column shows the rates of agreement: exact, adjacent, and non-adjacent. For Writing, with 0–6 as defined levels and the possibility of awarding a “plus” score between levels (e.g., 3, 3+, or 4 are all valid scores), scores that match or are contiguous are categorized as agreement (for example, if Rater 1 assigns a score of 3+, a Rater 2 score of 3, 3+ or 4 is categorized as agreement). Scores that are one whole score point apart are categorized as adjacent (for example, if Rater 1 assigns a score of 3+, a Rater 2 score of 2+ or 4+ is categorized as adjacent).

As the Speaking test is scored locally, it is not possible to provide interrater reliability data for Speaking. Section 1.6.3.1 describes training procedures that local raters must complete before being certified to administer and score the Speaking test.

5.2.9 Complete Item or Task Analysis and Summary (Table G)

Table G provides a summary of the analyses of the items (for Listening and Reading) or the tasks (for Writing and Speaking), along with analyses of each item or task. Table G has either two parts (Listening and Reading) or three parts (Speaking and Writing).

The first section of this table provides information about the total set of items or tasks, and includes the item or task type (selected response or constructed response), the average item or task difficulty (in logits), the number of items or tasks, the average p-value (for Listening and Reading only), the average infit mean square, and the average outfit mean square.

The second section of Table G presents results of the analyses of all of the items or tasks on the test form. For Listening, Reading, and Writing, the results for each tier are presented in a separate table. In these tables, the first column provides the unique item name. The second column in this part of Table G presents the item difficulty in logits, while the third column indicates whether that item served as a common item across years (note that for ACCESS 2.0 Series 400 Paper, no items served as anchors, as explained in Section 5.2.5). For dichotomously scored items (Listening and Reading), the fourth column shows the p-value (percentage of

correct answers on that item). The next two columns show the Rasch fit statistics for the item or task.

For the Speaking test, due to the design of the test, there are a number of items which are shared between tiers. In order to best present the results of the Speaking task analysis, all Speaking items in a grade-level cluster are presented in one single table; this table is repeated in its entirety for each tier in the text. A column to the right of the task name indicates whether the item is found on the Tier A or Tier B and C tests (recall that Tier B and Tier C are the same form for Speaking). An asterisk indicates shared tasks. The intended proficiency level of the task (1, 3, or 5) is found in the next column. The remaining columns to the right—item difficulty, anchors, and fit statistics—are displayed as for Listening, Reading, and Writing, described above.

The final portion of Table G applies to Writing and Speaking only. This portion of the table provides raw score distributions by task.

5.2.10 DIF Analysis and Summary (Table H)

Table H presents results of DIF analysis by item or task, as well as a summary of items or tasks showing DIF for the form.

The top section of Table H presents a summary of DIF results, indicating how many items or tasks showed A/AA, B/BB, or C/CC level DIF in the form, and which groups were favored.

The second section of Table H presents the same information for each item or task in the form.

5.2.11 Raw Score to Scale Score Conversion Chart (Table I)

The next table in this section, Table I, presents the raw score to scale score conversion table for the test form. The first column shows all possible raw scores. The following column(s) show the corresponding scale score for each grade in the grade-level cluster. Note that Tier A Listening and Reading items have been capped to the scale score that represents the proficiency level score of 4.0. Tier B Listening and Reading items have been capped to the scale score representing the proficiency level score of 5.0.

The next column shows the conditional standard error (i.e., from the Rasch analysis) in the metric of the scale score. The last two columns show a lower bound (i.e., the scale score minus one standard error) and an upper bound (i.e., the scale score plus one standard error) around the scale score. In some cases, the resulting lower bound is below 100, which has been set as the lowest score on the scale. In those cases, the lower bound has been set at 100.

As can be clearly seen from the table, on any dichotomously scored test form, standard errors are very large at the lowest and highest ends of the raw score scale. Because of this phenomenon and because the scale scores are combined to form composite scores, the top scale scores for the Listening and Reading forms were often adjusted for an end-of-scale effect on Tier C by allowing the top scale scores to increase only at the same rate as the preceding scale scores. If they were not adjusted, their effect in the composite scores might be excessive.

Thus, if scale scores on the upper end of the raw score scale increased with each raw score by 9 scale points before the group of adjusted scores, then each of the adjusted scores would increase by only 9 scale points each. The original scale scores subject to adjustment were computed from logit scores. Implementing the end-of-scale adjustment reduces the range of the original scale scores, however the lower and upper bounds of the adjusted scale scores always fall within the range of the original unadjusted scale scores.

Because the highest possible scores have been capped for Tiers A and B, preventing the inflation of scale scores due to large standard errors at the highest end of the raw score scale, there has been no need to make any other adjustment to the scale scores for these tiers at the extreme high end of the raw score range. Because the point at which scale scores are capped depends on the proficiency level associated with the score, the caps take effect at lower scores for lower grades within a grade-level cluster. In this case, the scores have been marked in Table I as capped, and the standard error, as well as the low and high bound for the capped scale score, has been repeated in the final rows of the table. In addition, at the lower end of the raw score scale, scale scores are truncated where necessary so that the lowest scale score given is the scale score corresponding to a proficiency level score of 1.0. As with the adjusted scores, the standard error and the lower and upper bounds reported in Table I reflect the true scale score, not the truncated score.

Note additionally that for Writing and Speaking, for each grade-level cluster, the Tier B form is identical to the Tier C form. The tables are therefore simply repeated in the section for the Tier B form and the section for the Tier C form.

5.2.12 Raw Score to Proficiency Level Score Conversion Table (Table J)

The final table, Table J, shows the interpretive proficiency level score associated with each raw score. The first column in Table J shows the raw score. The remaining columns show the proficiency level score associated with each raw score/scale score for each grade in the grade-level cluster, along with the percentage of students in that grade who scored at that raw score/scale score/proficiency level score.

There are two things to note about this table. First, unlike scale scores, which are determined psychometrically and have a one-to-one correspondence to raw scores regardless of the grade level of the student, proficiency level scores are interpretations of the scale score. In ACCESS Series 100 and Series 101, cut scores between proficiency levels were determined by grade-level cluster (e.g., in Cluster 3–5, a given scale score was associated with the same proficiency level score for Grades 3, 4, and 5 students). Such a system, however, fails to take into account that older children can be expected to perform better on the test due to general cognitive growth beyond growth in English language proficiency. This effect can clearly be seen in Tables A and B, where average scores on any test form tend to rise, albeit slightly, by grade level. In other words, a Grade 5 student would be expected to perform better on the Cluster 3–5 test than a Grade 3 student at the same underlying level of English proficiency.

To account for this effect, the WIDA Consortium adopted grade-level cut scores beginning with ACCESS Series 102 so that, for any given raw score/scale score, its associated proficiency level score now differs according to the grade level of the student. (For details on how grade-level cut scores were determined, see Kenyon, Ryu, & MacGregor, 2013.) Hence, Table J includes a separate column for each grade.

Scale scores for Tiers A and B in Listening and Reading are capped at the scale score corresponding to the proficiency level score of 4.0 (for Tier A) and 5.0 (for Tier B). This capped score is dependent on the grade level (not on the grade-level cluster). These differences are also shown in Table J on Tiers A and B for Listening and Reading.

Note additionally that for Writing and Speaking, for each grade-level cluster, the Tier B form is identical to the Tier C form. The tables are therefore simply repeated in the section for the Tier B form and the section for the Tier C form.

6 Analyses of Test Forms: Results

6.1 Grade: K

6.1.1 Listening K

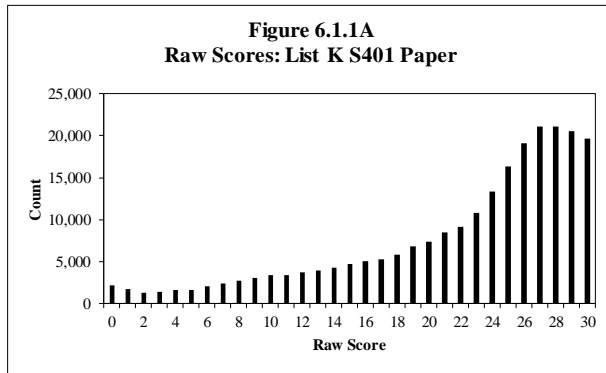


Table 6.1.1A

Raw Score Descriptive Statistics: List K S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
K	233,593	0	30	22.06	7.35

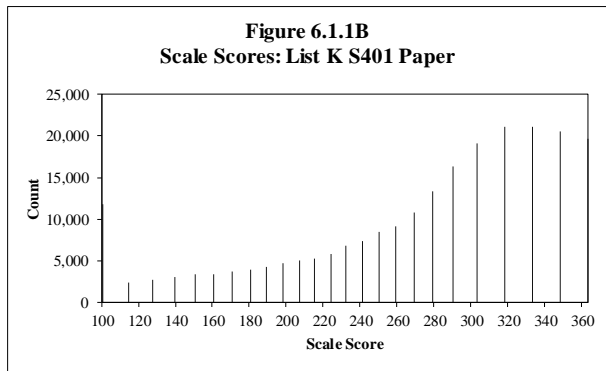


Table 6.1.1B

Scale Score Descriptive Statistics: List K S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
K	233,593	100	363	269.31	73.06

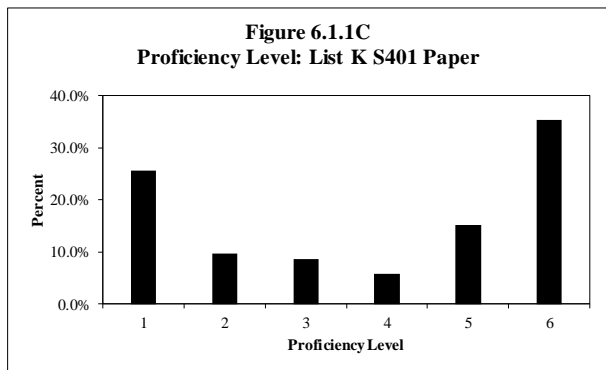


Table 6.1.1C

Proficiency Level Distribution: List K S401 Paper

Level	Count	Percent
1	59,724	25.6%
2	22,676	9.7%
3	19,934	8.5%
4	13,397	5.7%
5	35,434	15.2%
6	82,428	35.3%
Total	233,593	100.0%

Table 6.1.1D
Scaling Equation for Listening

$$\text{Listening Scale Score} = (\text{Ability Measure in Logits} * 37.571) + 316.637$$

Table 6.1.1E
Equating Summary: List K S401 Paper

No equating summary is presented because the K-ACCESS test was revised before Series 200 and could not be equated to the previous series directly. Instead, it was equated via the field testing procedure, in which 297 students were administered both Series 103 and the field test version. Thus, the results from the original field test of the KACCESS were used to determine raw-to-scale score conversions. Technical details of the analysis of this process can be found in MacGregor et al. (2009).

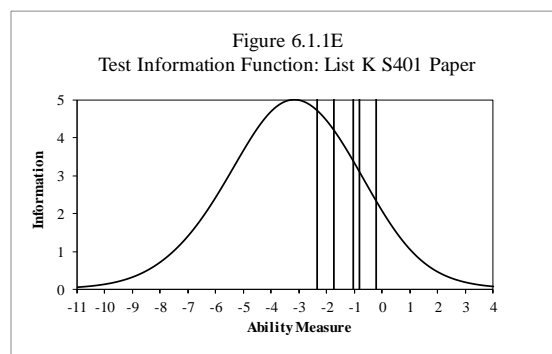
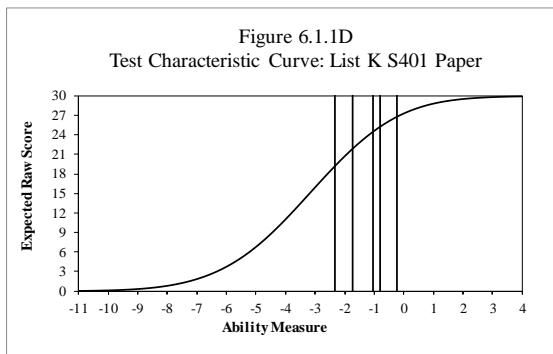


Table 6.1.1F
Reliability: List K S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
233,593	30	0.939	1.813

Table 6.1.1G

Complete Item Analysis and Summary: List K S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	-3.22	1.00	1.27
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.L_A1.2_bear_K_S401_Paper	-5.76	0.94	1.27
2.L_A1.3_window_K_S401_Paper	-5.64	0.95	1.52
3.L_A1.1_book_K_S401_Paper	-3.97	1.30	4.47
4.L_A2.1_running shoes_K_S401_Paper	-3.67	1.13	1.75
5.L_A2.2_white sweater_K_S401_Paper	-4.85	0.92	1.14
6.L_A2.3_stripped pants_K_S401_Paper	-1.90	1.26	1.45
7.L_A3.1_towel_K_S401_Paper	-2.17	1.12	1.18
8.L_A3.2_toothbrush_K_S401_Paper	-4.28	0.90	0.96
9.L_A3.3_brush_K_S401_Paper	-3.57	0.87	1.03
10.L_A4.1_carrot_K_S401_Paper	-1.25	0.89	0.80
11.L_A4.2_bag of berries_K_S401_Paper	-1.91	1.08	1.06
12.L_A4.3_cake_K_S401_Paper	-2.71	0.88	0.80
13.L_A5.1_put bootsinthecloset_K_S401_Paper	-1.84	0.80	0.69
14.L_A5.2_put photoalbumonthe bed_K_S401_Paper	-2.95	0.75	0.61
15.L_A5.3_putfrigenexttodollhouse_K_S401_Paper	-1.32	0.93	0.84
16.L_D1.1_dog_K_S401_Paper	-5.64	1.27	2.78
17.L_D1.2_teacher_K_S401_Paper	-7.17	1.01	1.26
18.L_D1.3_calendar_K_S401_Paper	-4.44	1.46	2.11
19.L_D2.1_big banana_K_S401_Paper	-3.93	1.36	2.74
20.L_D2.2_short tree_K_S401_Paper	-3.35	1.20	1.37
21.L_D2.3_tall flower_K_S401_Paper	-3.74	1.11	1.16
22.L_D3.1_bike_K_S401_Paper	-2.58	1.01	1.08
23.L_D3.2_horse_K_S401_Paper	-2.10	1.09	1.18
24.L_D3.3_boat_K_S401_Paper	-4.44	0.80	0.52
25.L_D4.1_fireman_K_S401_Paper	-4.06	0.67	0.44
26.L_D4.2_doctor_K_S401_Paper	-3.02	0.75	0.64
27.L_D4.3_farmer_K_S401_Paper	-2.88	0.72	0.57
28.L_D5.1_school bus in the sink_K_S401_Paper	-0.18	0.94	0.80
29.L_D5.2_orange in the water_K_S401_Paper	-0.35	1.05	1.02
30.L_D5.3_raincoatinthemathcenter_K_S401_Paper	-0.92	0.96	0.82

* No equating was performed for S303 and S401. Information on anchored items and their P-values can be found in S302 Annual Technical Report, Table H.

Table 6.1.1H

DIF Analysis and Summary: List K S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	12	14	19	11
B	3	1	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.L_A1.2_bear_K_S401_Paper	A	M	A	H
2.L_A1.3_window_K_S401_Paper	A	M	A	H
3.L_A1.1_book_K_S401_Paper	A	F	A	H
4.L_A2.1_running shoes_K_S401_Paper	A	M	A	H
5.L_A2.2_white sweater_K_S401_Paper	A	F	A	H
6.L_A2.3_stripped pants_K_S401_Paper	A	F	A	O
7.L_A3.1_towel_K_S401_Paper	A	F	A	O
8.L_A3.2_toothbrush_K_S401_Paper	A	F	A	H
9.L_A3.3_brush_K_S401_Paper	B	F	A	H
10.L_A4.1_carrot_K_S401_Paper	A	M	A	O
11.L_A4.2_bag of berries_K_S401_Paper	A	F	A	H
12.L_A4.3_cake_K_S401_Paper	A	F	A	H
13.L_A5.1_put bootsinthecloset_K_S401_Paper	A	F	A	O
14.L_A5.2_put photoalbumonthe bed_K_S401_Paper	A	F	A	H
15.L_A5.3_putfrigenexttodollhouse_K_S401_Paper	A	F	A	H
16.L_D1.1_dog_K_S401_Paper	A	M	A	O
17.L_D1.2_teacher_K_S401_Paper	A	F	A	H
18.L_D1.3_calendar_K_S401_Paper	A	F	A	O
19.L_D2.1_big banana_K_S401_Paper	A	F	A	O
20.L_D2.2_short tree_K_S401_Paper	A	F	A	O
21.L_D2.3_tall flower_K_S401_Paper	A	M	A	O
22.L_D3.1_bike_K_S401_Paper	B	M	A	H
23.L_D3.2_horse_K_S401_Paper	A	M	A	O
24.L_D3.3_boat_K_S401_Paper	A	M	A	O
25.L_D4.1_fireman_K_S401_Paper	B	M	A	H
26.L_D4.2_doctor_K_S401_Paper	A	M	A	H
27.L_D4.3_farmer_K_S401_Paper	A	M	A	H
28.L_D5.1_school bus in the sink_K_S401_Paper	B	M	A	H
29.L_D5.2_orange in the water_K_S401_Paper	A	M	A	H
30.L_D5.3_raincoatinthemathcenter_K_S401_Paper	A	M	A	H

Table 6.1.II

Raw Score to Scale Score Conversion: List K S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	100^	70.67	100.00^	100.00^
1	100^	41.36	100.00^	100.00^
2	100^	31.83	100.00^	100.00^
3	100^	27.90	100.00^	100.00^
4	100^	25.62	100.00^	100.00^
5	100^	24.02	100.00^	112.99
6	104	22.78	100.00^	126.30
7	117	21.78	100.00^	138.49
8	129	20.95	107.90	149.79
9	140	20.26	119.87	160.39
10	151	19.69	131.05	170.43
11	161	19.23	141.58	180.04
12	170	18.85	151.60	189.31
13	180	18.56	161.21	198.32
14	189	18.33	170.48	207.14
15	198	18.17	179.50	215.83
16	206	18.07	188.33	224.47
17	215	18.04	197.03	233.11
18	224	18.08	205.67	241.83
19	232	18.19	214.30	250.69
20	241	18.39	223.01	259.79
21	251	18.69	231.85	269.22
22	260	19.10	240.92	279.13
23	270	19.67	250.34	289.68
24	281	20.44	260.25	301.13
25	292	21.51	270.86	313.88
26	306	23.05	282.47	328.57
27	320*	25.44	295.61	346.48
28	334*	29.67	311.28	370.62
29	348*	39.80	331.82	411.41
30	362*	69.83	350.21	489.87

^ Truncated

* Adjusted for end of scale effect

** Results are same as in Series 302

Table 6.1.1J

Raw Score to Proficiency Level Conversion: List K S401 Paper

Raw Score	Kindergarten	
	Proficiency Level Score	% of Students
0	1.0^	0.9
1	1.0^	0.8
2	1.0^	0.6
3	1.0^	0.6
4	1.0^	0.7
5	1.0^	0.7
6	1.0	0.9
7	1.1	1.0
8	1.2	1.2
9	1.3	1.3
10	1.4	1.5
11	1.5	1.5
12	1.5	1.6
13	1.6	1.7
14	1.7	1.8
15	1.8	2.0
16	1.8	2.2
17	1.9	2.3
18	1.9	2.5
19	2.1	2.9
20	2.5	3.2
21	3.0	3.6
22	3.3	3.9
23	3.7	4.6
24	4.4	5.7
25	5.3	7.0
26	5.9	8.2
27	6.0*	9.0
28	6.0*	9.0
29	6.0*	8.8
30	6.0*	8.4

^ Truncated

* Adjusted

6.1.2 Reading K

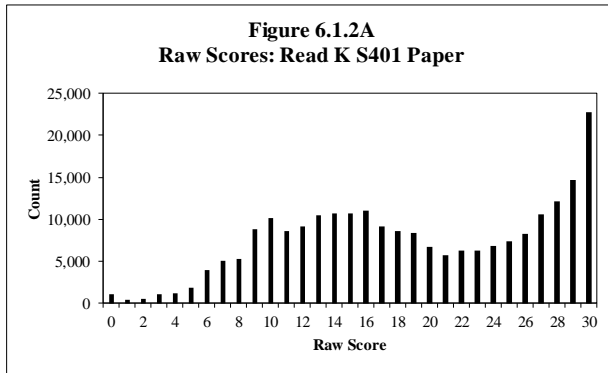


Table 6.1.2A

Raw Score Descriptive Statistics: Read K S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
K	233,592	0	30	18.97	7.78

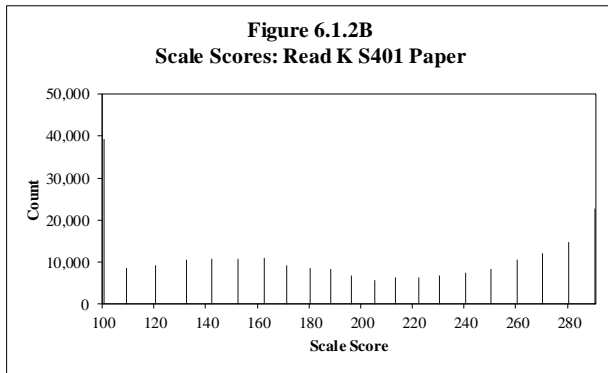


Table 6.1.2B

Scale Score Descriptive Statistics: Read K S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
K	233,592	100	290	189.73	67.16

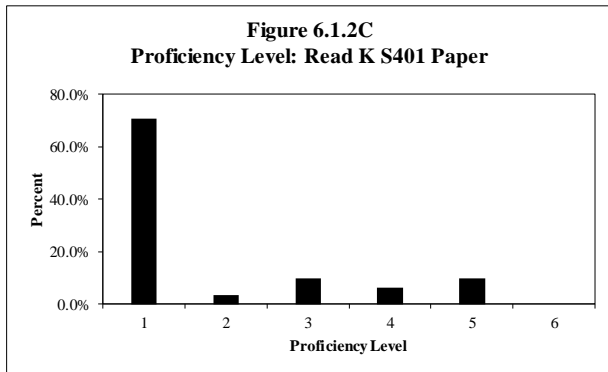


Table 6.1.2C

Proficiency Level Distribution: Read K S401 Paper

Level	Count	Percent
1	165,131	70.7%
2	8,267	3.5%
3	22,717	9.7%
4	14,680	6.3%
5	22,797	9.8%
6	0	0.0%
Total	233,592	100.0%

Table 6.1.2D
Scaling Equation for Reading

$\text{Reading Scale Score} = (\text{Ability Measure in Logits} * 26.000) + 323.272$
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Table 6.1.2E
Equating Summary: Read K S401 Paper

No equating summary is presented because the K-ACCESS test was revised before Series 200 and could not be equated to the previous series directly. Instead, it was equated via the field testing procedure, in which 297 students were administered both Series 103 and the field test version. Thus, the results from the original field test of the KACCESS were used to determine raw-to-scale score conversions. Technical details of the analysis of this process can be found in MacGregor et al. (2009).

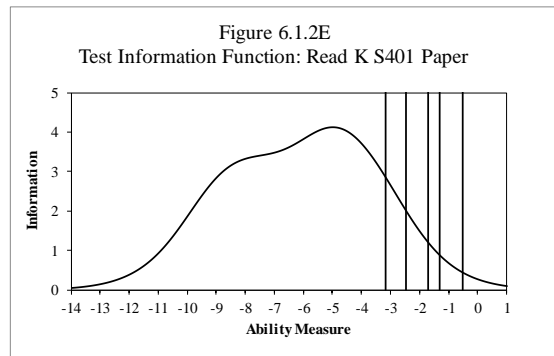
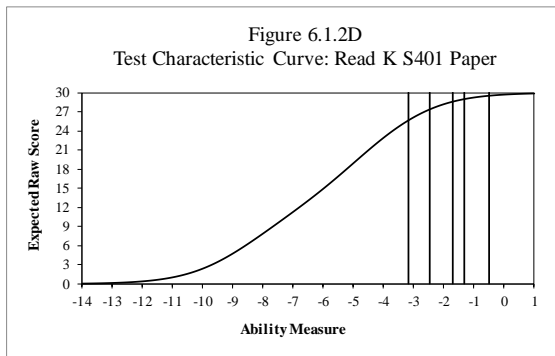


Table 6.1.2F
Reliability: Read K S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
233,592	30	0.949	1.755

Table 6.1.2G

Complete Item Analysis and Summary: Read K S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	-6.11	0.98	2.77
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.R_C1.1_ball_K_S401_Paper	-9.02	1.30	9.90
2.R_C1.2_lamp shade_K_S401_Paper	-8.76	1.33	9.90
3.R_C1.3_window_K_S401_Paper	-9.17	1.07	9.90
4.R_C2.1_/m/_K_S401_Paper	-9.17	0.83	3.21
5.R_C2.2_/s/_K_S401_Paper	-9.17	0.84	5.24
6.R_C2.3_/t/_K_S401_Paper	-9.02	0.93	6.49
7.R_C3.1_ball_K_S401_Paper	-5.33	1.36	2.46
8.R_C3.2_car_K_S401_Paper	-4.75	1.33	2.19
9.R_C3.3_fox_K_S401_Paper	-6.42	1.16	1.53
10.R_C4.1_Mom and Dad_K_S401_Paper	-4.61	0.87	0.59
11.R_C4.2_my fish_K_S401_Paper	-4.52	0.99	0.76
12.R_C4.3_we play_K_S401_Paper	-5.25	0.89	0.64
13.R_C5.1_I am a baby_K_S401_Paper	-3.54	0.92	0.52
14.R_C5.2_I like to jump_K_S401_Paper	-4.91	0.71	0.40
15.R_C5.3_I help my friend_K_S401_Paper	-3.25	0.90	0.49
16.R_F1.1_book_K_S401_Paper	-8.25	1.00	6.01
17.R_F1.2_bear_K_S401_Paper	-7.86	1.15	5.98
18.R_F1.3_nose_K_S401_Paper	-8.16	1.01	8.00
19.R_F2.1_/f/_K_S401_Paper	-7.72	0.78	1.00
20.R_F2.2_/l/_K_S401_Paper	-7.26	0.72	0.98
21.R_F2.3_/h/_K_S401_Paper	-7.42	0.74	0.81
22.R_F3.1_tree_K_S401_Paper	-5.43	0.94	0.71
23.R_F3.2_cup_K_S401_Paper	-5.48	1.00	0.95
24.R_F3.3_banana_K_S401_Paper	-5.43	0.98	0.80
25.R_F4.1_go to bed_K_S401_Paper	-4.39	0.83	0.54
26.R_F4.2_Irun_K_S401_Paper	-5.08	0.72	0.44
27.R_F4.3_in the tub_K_S401_Paper	-4.19	0.98	0.72
28.R_F5.1_I drink my milk_K_S401_Paper	-3.50	0.97	0.57
29.R_F5.2_I ride the bike_K_S401_Paper	-3.39	1.07	0.65
30.R_F5.3_I can tie my shoes_K_S401_Paper	-2.75	1.01	0.61

* No equating was performed for S401. Information on anchored items and their P-values can be found in S303 Annual Technical Report, Table H.

Table 6.1.2H

DIF Analysis and Summary: Read K S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	14	16	17	13
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.R_C1.1_ball_K_S401_Paper	A	F	A	H
2.R_C1.2_lamp shade_K_S401_Paper	A	M	A	H
3.R_C1.3_window_K_S401_Paper	A	F	A	H
4.R_C2.1_/m/_K_S401_Paper	A	F	A	O
5.R_C2.2_/s/_K_S401_Paper	A	F	A	H
6.R_C2.3_/t/_K_S401_Paper	A	F	A	O
7.R_C3.1_ball_K_S401_Paper	A	M	A	O
8.R_C3.2_car_K_S401_Paper	A	M	A	H
9.R_C3.3_fox_K_S401_Paper	A	M	A	H
10.R_C4.1_Mom and Dad_K_S401_Paper	A	F	A	O
11.R_C4.2_my fish_K_S401_Paper	A	M	A	H
12.R_C4.3_we play_K_S401_Paper	A	M	A	H
13.R_C5.1_I am a baby_K_S401_Paper	A	F	A	H
14.R_C5.2_I like to jump_K_S401_Paper	A	F	A	H
15.R_C5.3_I help my friend_K_S401_Paper	A	F	A	H
16.R_F1.1_book_K_S401_Paper	A	M	A	H
17.R_F1.2_bear_K_S401_Paper	A	M	A	H
18.R_F1.3_nose_K_S401_Paper	A	M	A	H
19.R_F2.1_/f/_K_S401_Paper	A	F	A	H
20.R_F2.2_/l/_K_S401_Paper	A	F	A	H
21.R_F2.3_/h/_K_S401_Paper	A	F	A	O
22.R_F3.1_tree_K_S401_Paper	A	F	A	O
23.R_F3.2_cup_K_S401_Paper	A	F	A	H
24.R_F3.3_banana_K_S401_Paper	A	F	A	O
25.R_F4.1_go to bed_K_S401_Paper	A	M	A	O
26.R_F4.2_I run_K_S401_Paper	A	F	A	O
27.R_F4.3_in the tub_K_S401_Paper	A	M	A	O
28.R_F5.1_I drink my milk_K_S401_Paper	A	M	A	O
29.R_F5.2_I ride the bike_K_S401_Paper	A	M	A	O
30.R_F5.3_I can tie my shoes_K_S401_Paper	A	M	A	O

Table 6.1.2I

Raw Score to Scale Score Conversion: Read K S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	100^	48.56	100.00^	100.00^
1	100^	28.00	100.00^	100.00^
2	100^	21.29	100.00^	100.00^
3	100^	18.73	100.00^	100.00^
4	100^	17.54	100.00^	100.00^
5	100^	17.06	100.00^	100.00^
6	100^	17.07	100.00^	100.00^
7	100^	17.44	100.00^	100.00^
8	100^	18.09	100.00^	101.44
9	100^	18.91	100.00^	115.42
10	111	19.68	100.00^	130.53
11	126	20.04	106.06	146.14
12	141	19.71	121.67	161.10
13	156	18.86	136.87	174.58
14	169	17.92	150.80	186.64
15	181	17.18	163.36	197.73
16	192	16.67	174.88	208.21
17	202	16.32	185.68	218.31
18	212	16.06	196.01	228.12
19	222	15.84	206.00	237.68
20	231	15.67	215.71	247.06
21	241	15.57	225.19	256.33
22	250	15.55	234.51	265.61
23	259	15.65	243.76	275.06
24	269	15.88	253.07	284.84
25	279	16.32	262.58	295.21
26	290	17.07	272.50	306.64
27	301*	18.41	283.18	319.99
28	312*	21.04	295.28	337.36
29	323*	27.79	310.42	366.00
30	334*	48.42	323.62	420.45

^ Truncated

* Adjusted for end of scale effect

** Results are same as in Series 302

Table 6.1.2J

Raw Score to Proficiency Level Conversion: Read K S401 Paper

Raw Score	Kindergarten	
	Proficiency Level Score	% of Students
0	1.0^	0.5
1	1.0^	0.2
2	1.0^	0.2
3	1.0^	0.5
4	1.0^	0.5
5	1.0^	0.8
6	1.0^	1.7
7	1.0^	2.2
8	1.0^	2.2
9	1.0^	3.8
10	1.1	4.3
11	1.2	3.7
12	1.3	3.9
13	1.4	4.5
14	1.5	4.6
15	1.6	4.6
16	1.7	4.7
17	1.7	3.9
18	1.8	3.7
19	1.9	3.6
20	1.9	2.9
21	2.2	2.5
22	2.9	2.7
23	3.8	2.7
24	4.6	2.9
25	5.2	3.1
26	5.8	3.5
27	6.0*	4.5
28	6.0*	5.2
29	6.0*	6.3
30	6.0*	9.8

^ Truncated

* Adjusted

6.1.3 Writing K

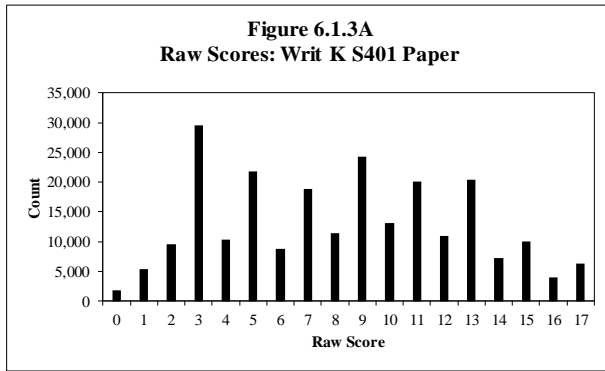


Table 6.1.3A

Raw Score Descriptive Statistics: Writ K S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
K	233,593	0	17	8.25	4.30

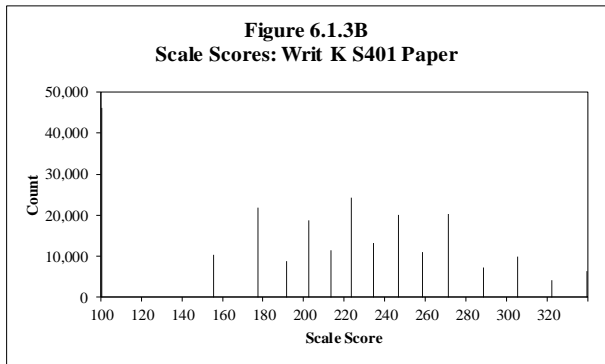


Table 6.1.3B

Scale Score Descriptive Statistics: Writ K S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
K	233,593	100	339	206.74	66.82

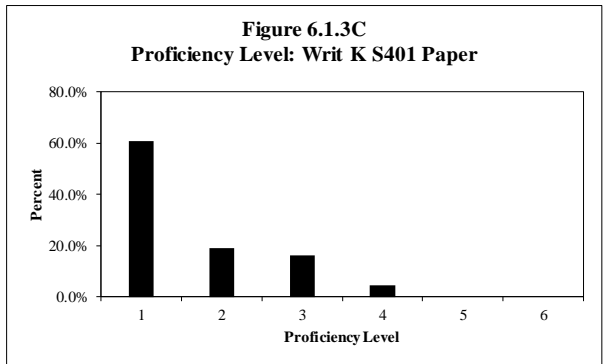


Table 6.1.3C

Proficiency Level Distribution: Writ K S401 Paper

Level	Count	Percent
1	141,607	60.6%
2	44,143	18.9%
3	37,550	16.1%
4	10,293	4.4%
5	0	0.0%
6	0	0.0%
Total	233,593	100.0%

Table 6.1.3D
Scaling Equation for Writing

$$\text{Writing Scale Score} = (\text{Ability Measure in Logits} * 26.851) + 303.332$$

Table 6.1.3E
Equating Summary: Writ K S401 Paper

No equating summary is presented because the K-ACCESS test was revised before Series 200 and could not be equated to the previous series directly. Instead, it was equated via the field testing procedure, in which 297 students were administered both Series 103 and the field test version. Thus, the results from the original field test of the KACCESS were used to determine raw-to-scale score conversions. Technical details of the analysis of this process can be found in MacGregor et al. (2009).

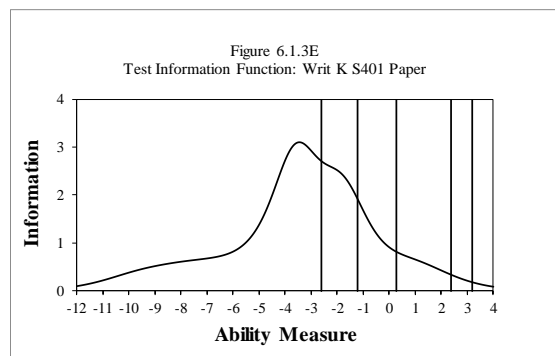
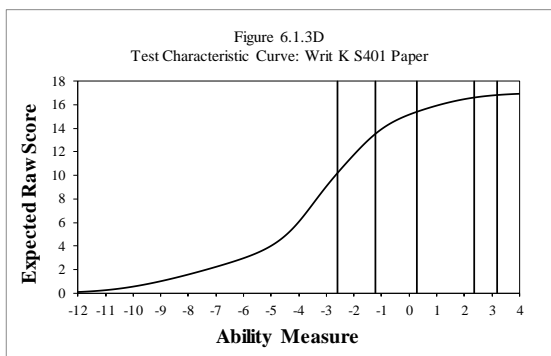


Table 6.1.3F
Reliability: Writ K S401 Paper

Reliability	No. of Students	No. of Tasks	Cronbach's Stratified Alpha	SEM
		233,593	6	0.923
Interrater Reliability	n/a			

Table 6.1.3G

Complete Task Analysis and Summary: Writ K S401 Paper

Task Type	Average Task Difficulty (in logits)	No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square
Constructed Response	-5.45	6	0.92	0.99
Name	Task Difficulty (in logits)	Anchored?	Fit Statistics	
			Infit Mnsq	Outfit Mnsq
1.W_WB1_MyNameIs(B1)_K_S401_Paper	-7.96	Yes	0.46	0.37
2.W_WBWE_WritingExperience1(B2TOB5)_K_S401_Paper	-2.17	Yes	0.49	0.53
3.W_WE1_Tracing(E1)_K_S401_Paper	-9.65	Yes	0.47	0.38
4.W_WE2_Copying(E2)_K_S401_Paper	-6.61	Yes	0.44	0.35
5.W_WE3_Initial/FinalSound(E3)_K_S401_Paper	-4.21	Yes	3.26	3.91
6.W_WEWE_WritingExperience2(E4&E5)_K_S401_Paper	-2.09	Yes	0.44	0.42
Raw Score Distribution by Task	Raw Score	Task 2	Task 6	
	0	29.50%	31.50%	
	1	11.80%	8.90%	
	2	20.10%	19.40%	
	3	14.60%	15.20%	
	4	13.10%	14.70%	
	5	6.50%	6.70%	
	6	4.30%	3.60%	

Table 6.1.3H

DIF Analysis and Summary: Writ K S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	3	3	4	2
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.W_WB1_MyNameIs(B1)_K_S401_Paper	AA	F	AA	O
2.W_WBWE_WritingExperience1(B2TOB5)_K_S401_Paper	AA	M	AA	H
3.W_WE1_Tracing(E1)_K_S401_Paper	AA	M	AA	H
4.W_WE2_Copying(E2)_K_S401_Paper	AA	F	AA	H
5.W_WE3_Initial/FinalSound(E3)_K_S401_Paper	AA	M	AA	O
6.W_WEWE_WritingExperience2(E4&E5)_K_S401_Paper	AA	F	AA	H

Table 6.1.3I

Raw Score to Scale Score Conversion: Writ K S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	Bound
0	100^	61.88	100.00^	100.00^
1	100^	41.98	100.00^	100.00^
2	100^	42.91	100.00^	100.00^
3	100^	67.79	100.00^	151.63
4	155	31.41	123.33	186.15
5	177	22.70	154.43	199.83
6	191	19.28	171.85	210.41
7	202	18.04	184.28	220.36
8	213	17.73	194.86	230.31
9	223	18.35	204.50	241.19
10	234	18.97	215.07	253.01
11	246	19.28	226.58	265.14
12	258	19.90	238.08	277.89
13	271	21.15	250.21	292.50
14	288	24.57	263.27	312.40
15	305*	31.41	281.31	344.12
16	322*	39.49	313.34	392.32
17	339*	60.64	341.63	462.91

^ Truncated

* Adjusted for end of scale effect

** Results are same as in Series 302

Table 6.1.3J

Raw Score to Proficiency Level Conversion: Writ K S401 Paper

Raw Score	Kindergarten	
	Proficiency Level Score	% of Students
0	1.0^	0.8
1	1.0^	2.3
2	1.0^	4.1
3	1.0^	12.7
4	1.4	4.4
5	1.6	9.4
6	1.7	3.8
7	1.8	8.0
8	1.9	4.9
9	1.9	10.4
10	2.3	5.6
11	2.6	8.6
12	2.9	4.7
13	3.3	8.7
14	3.8	3.1
15	4.4*	4.3
16	4.9*	1.7
17	5.6*	2.7

^ Truncated

* Adjusted

6.1.4 Speaking K

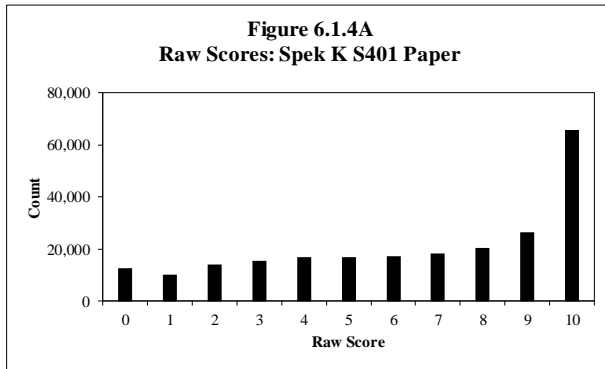


Table 6.1.4A

Raw Score Descriptive Statistics: Spek K S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
K	233,589	0	10	6.52	3.25

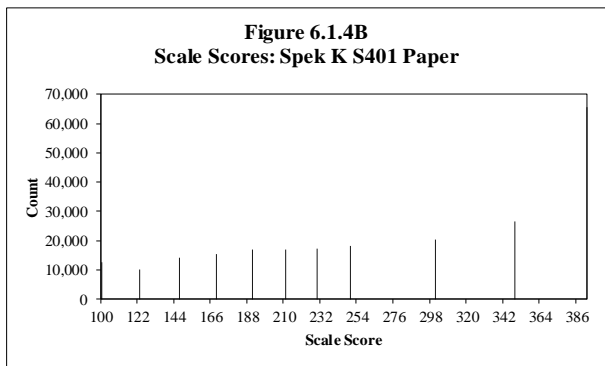


Table 6.1.4B

Scale Score Descriptive Statistics: Spek K S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
K	233,589	100	392	271.97	99.40

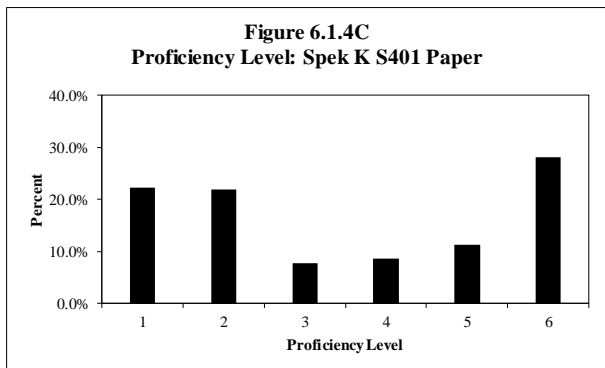


Table 6.1.4C

Proficiency Level Distribution: Spek K S401 Paper

Level	Count	Percent
1	52,049	22.3%
2	51,007	21.8%
3	18,160	7.8%
4	20,238	8.7%
5	26,446	11.3%
6	65,689	28.1%
Total	233,589	100.0%

Table 6.1.4D
Scaling Equation for Speaking

$$\text{Speaking Scale Score} = (\text{Ability Measure in Logits} * 29.248) + 265.076$$

Table 6.1.4E
Equating Summary: Spek K S401 Paper

No equating summary is presented because the K-ACCESS test was revised before Series 200 and could not be equated to the previous series directly. Instead, it was equated via the field testing procedure, in which 297 students were administered both Series 103 and the field test version. Thus, the results from the original field test of the KACCESS were used to determine raw-to-scale score conversions. Technical details of the analysis of this process can be found in MacGregor et al. (2009).

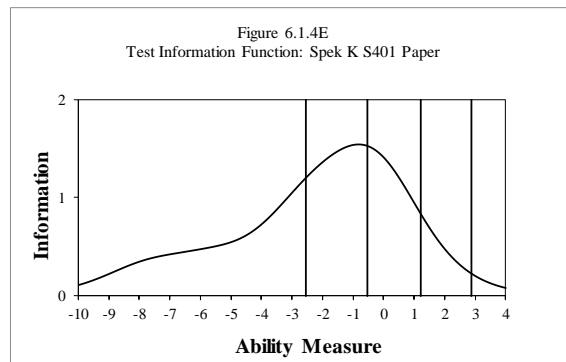
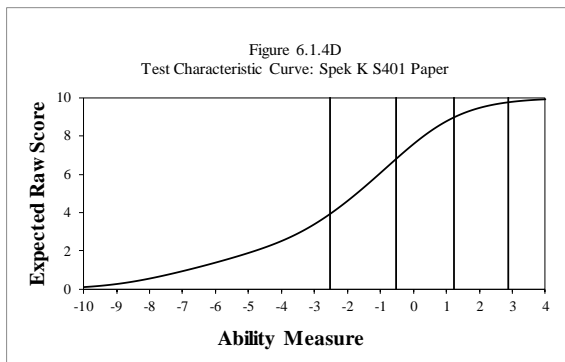


Table 6.1.4F
Reliability: Spek K S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
233,589	10	0.899	1.036

Table 6.1.4G

Complete Task Analysis and Summary: Spek K S401 Paper

Task Type	Average Task Difficulty (in logits)	No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square
Constructed Response	-2.24	10	1.01	1.46
Name	Task Difficulty (in logits)		Fit Statistics	
			Infit Mnsq	Outfit Mnsq
1.S_A1_K_S401_Paper	-5.69		0.89	0.94
2.S_A2_K_S401_Paper	-2.51		0.81	0.57
3.S_A3_K_S401_Paper	-1.90		0.88	0.51
4.S_A4_K_S401_Paper	-0.37		0.94	0.50
5.S_A5_K_S401_Paper	0.18		1.19	0.77
6.S_D1_K_S401_Paper	-7.84		1.18	8.32
7.S_D2_K_S401_Paper	-3.06		1.29	1.19
8.S_D3_K_S401_Paper	-0.98		0.93	0.56
9.S_D4_K_S401_Paper	-0.42		0.80	0.44
10.S_D5_K_S401_Paper	0.15		1.20	0.82

Table 6.1.4H

DIF Analysis and Summary: Spek K S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
DIF Level	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	5	5	6	4
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.S_A1_K_S401_Paper	AA	M	AA	O
2.S_A2_K_S401_Paper	AA	F	AA	O
3.S_A3_K_S401_Paper	AA	F	AA	H
4.S_A4_K_S401_Paper	AA	F	AA	H
5.S_A5_K_S401_Paper	AA	F	AA	H
6.S_D1_K_S401_Paper	AA	M	AA	O
7.S_D2_K_S401_Paper	AA	M	AA	O
8.S_D3_K_S401_Paper	AA	M	AA	H
9.S_D4_K_S401_Paper	AA	M	AA	H
10.S_D5_K_S401_Paper	AA	F	AA	H

Table 6.1.4I

Raw Score to Scale Score Conversion: Spek K S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	Bound
0	100^	40.81	110.19	191.82
1	188	28.68	159.49	216.86
2	224	25.27	199.02	249.56
3	251	21.10	229.87	272.07
4	270	18.74	251.73	289.20
5	287	17.48	269.22	304.19
6	301	16.79	284.46	318.04
7	315	16.81	298.37	332.00
8	330	18.05	312.03	348.13
9	350	22.58	327.14	372.31
10	377	37.97	339.48	415.42

^ Truncated

* Results are same as in Series 302

Table 6.1.4J

Raw Score to Proficiency Level Conversion: Spek K S401 Paper

Raw Score	Kindergarten	
	Proficiency Level Score	% of Students
0	1.0^	5.4
1	1.4	4.3
2	1.6	6.0
3	1.9	6.6
4	2.0	7.2
5	2.4	7.2
6	2.7	7.4
7	3.0	7.8
8	3.6	8.7
9	4.3	11.3
10	5.6	28.1

^ Truncated

6.2 Grade: 1

6.2.1 Listening 1

6.2.1.1 Listening 1A

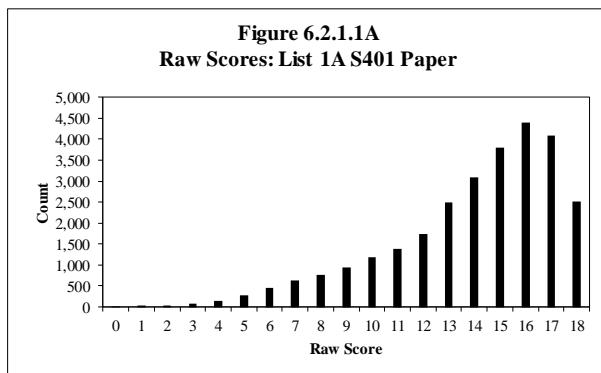


Table 6.2.1.1A

Raw Score Descriptive Statistics: List 1A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	28,097	0	18	13.87	3.34

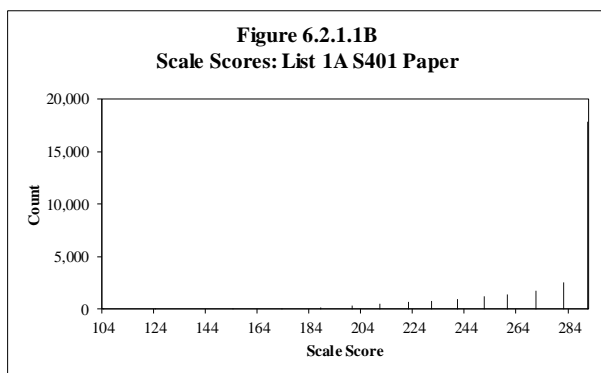


Table 6.2.1.1B

Scale Score Descriptive Statistics: List 1A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	28,097	104	291	277.24	24.80

Note: Scale scores capped at proficiency level 4.0

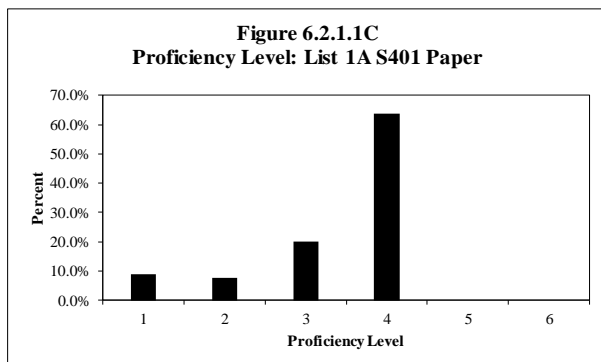


Table 6.2.1.1C

Proficiency Level Distribution: List 1A S401 Paper

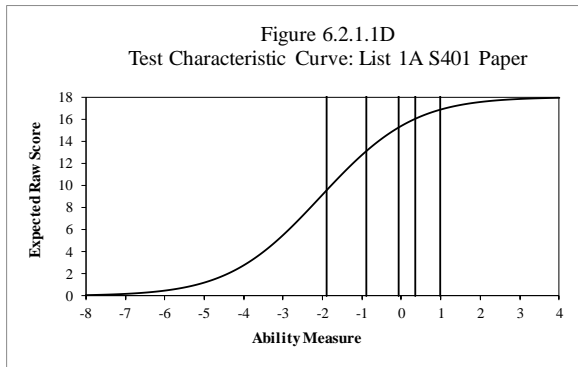
Level	Count	Percent
1	2,460	8.8%
2	2,133	7.6%
3	5,628	20.0%
4	17,876	63.6%
5	n/a	n/a
6	n/a	n/a
Total	28,097	100.0%

Note: Scale scores capped at proficiency level 4.0

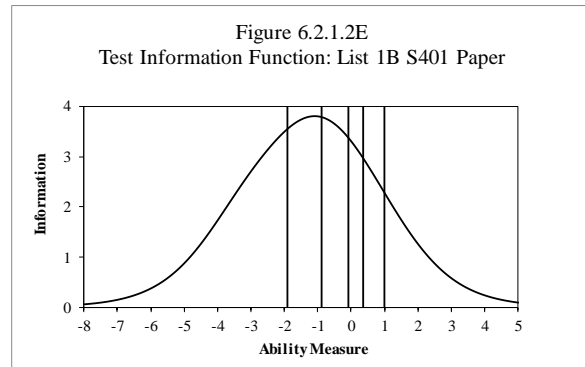
Table 6.2.1.1D
Scaling Equation for Listening

$$\text{Listening Scale Score} = (\text{Ability Measure in Logits} * 37.571) + 316.637$$

Table 6.2.1.1E
Equating Summary: List 1A S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 4.0



Note: Scale scores capped at proficiency level 4.0

Table 6.2.1.1F
Reliability: List 1A S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
38,362	18	0.793	1.568

Note that the test form is shared between 1A and 2A.

Table 6.2.1.1G

Complete Item Analysis and Summary: List 1A S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	-2.07	0.99	0.95
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.L12A_9611_SIp1_ClassDirections_302_S401_Paper	-2.21	0.93	0.80
2.L12A_9612_SIp2_ClassDirections_302_S401_Paper	-2.48	0.91	0.82
3.L12A_9613_SIp3_ClassDirections_302_S401_Paper	-2.81	0.98	0.88
4.L12A_10776_LAp1_MouseStory_302_S401_Paper	-2.14	0.93	0.80
5.L12A_10777_LAp2_MouseStory_302_S401_Paper	-1.37	1.09	1.11
6.L12A_10778_LAp3_MouseStory_302_S401_Paper	-1.09	1.08	1.09
7.L12A_6855_MAp1_MeasuringAnimals_203_S401_Paper	-1.66	1.06	1.06
8.L12A_6856_MAp2_MeasuringAnimals_203_S401_Paper	-0.46	1.18	1.25
9.L12A_6857_MAp3_MeasuringAnimals_203_S401_Paper	-2.23	1.07	1.08
10.L12A_6730_ScP1_JumpRope_203_S401_Paper	-3.59	0.84	0.57
11.L12A_6731_ScP2_JumpRope_203_S401_Paper	-0.87	1.10	1.23
12.L12A_6732_ScP3_JumpRope_203_S401_Paper	-3.14	0.82	0.66
13.L12A_10687_SSp1_FruitTrees_302_S401_Paper	-3.40	0.92	0.79
14.L12A_10689_SSp2_FruitTrees_302_S401_Paper	-1.34	1.02	1.01
15.L12A_10691_SSp3_FruitTrees_302_S401_Paper	-1.47	1.06	1.07
16.L12A_9848_SIp2_ClassHelpers_302_S401_Paper	-2.57	0.89	0.87
17.L12A_9850_SIp3_ClassHelpers_302_S401_Paper	-2.32	0.92	0.87
18.L12A_9852_SIp4_ClassHelpers_302_S401_Paper	-2.15	1.05	1.11

* No equating was performed for S303 and S401. Information on anchored items and their P-values can be found in S302 Annual Technical Report, Table H.

Note that the test form is shared between 1A and 2A.

Table 6.2.1.1H

DIF Analysis and Summary: List 1A S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	7	11	11	7
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.L12A_9611_SIp1_ClassDirections_302_S401_Paper	A	M	A	H
2.L12A_9612_SIp2_ClassDirections_302_S401_Paper	A	F	A	H
3.L12A_9613_SIp3_ClassDirections_302_S401_Paper	A	F	A	H
4.L12A_10776_LAp1_MouseStory_302_S401_Paper	A	F	A	H
5.L12A_10777_LAp2_MouseStory_302_S401_Paper	A	F	A	H
6.L12A_10778_LAp3_MouseStory_302_S401_Paper	A	M	A	H
7.L12A_6855_MAp1_MeasuringAnimals_203_S401_Paper	A	M	A	O
8.L12A_6856_MAp2_MeasuringAnimals_203_S401_Paper	A	M	A	O
9.L12A_6857_MAp3_MeasuringAnimals_203_S401_Paper	A	M	A	H
10.L12A_6730_S Cp1_JumpRope_203_S401_Paper	A	F	A	O
11.L12A_6731_S Cp2_JumpRope_203_S401_Paper	A	F	A	O
12.L12A_6732_S Cp3_JumpRope_203_S401_Paper	A	M	A	O
13.L12A_10687_SSp1_FruitTrees_302_S401_Paper	A	F	A	H
14.L12A_10689_SSp2_FruitTrees_302_S401_Paper	A	M	A	O
15.L12A_10691_SSp3_FruitTrees_302_S401_Paper	A	F	A	O
16.L12A_9848_SIp2_ClassHelpers_302_S401_Paper	A	F	A	H
17.L12A_9850_SIp3_ClassHelpers_302_S401_Paper	A	F	A	H
18.L12A_9852_SIp4_ClassHelpers_302_S401_Paper	A	F	A	H

Note that the test form is shared between 1A and 2A.

Table 6.2.1.1I

Raw Score to Scale Score Conversion: List 1A S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
	Grade 1			
0	104 [^]	49.59	100.00 [^]	125.59
1	124	39.39	100.00 [^]	163.39
2	154	29.12	124.88	183.12
3	173	24.83	148.17	197.83
4	188	22.44	165.56	210.44
5	200	20.96	179.04	220.96
6	211	20.01	190.99	231.01
7	222	19.41	202.59	241.41
8	231	19.08	211.92	250.08
9	241	18.98	222.02	259.98
10	251	19.08	231.92	270.08
11	260	19.41	240.59	279.41
12	271	20.01	250.99	291.01
13	282	20.95	261.05	302.95
14	291*	22.17*	271.83*	316.17*
15				
16				
17				
18				

[^] Truncated

* Applies to all capped grade 1 scores

Note that the test form is shared between 1A and 2A.

Table 6.2.1.1J

Raw Score to Proficiency Level Conversion: List 1A S401 Paper

Raw Score	Grade 1	
	Proficiency Level Score	% of Students
0	1.0	0.1
1	1.1	0.1
2	1.3	0.2
3	1.5	0.3
4	1.6	0.5
5	1.7	1.0
6	1.8	1.6
7	1.8	2.3
8	1.9	2.7
9	2.2	3.4
10	2.6	4.2
11	3.0	4.9
12	3.3	6.2
13	3.7	8.9
14	4.0*	11.0
15	4.0*	13.5
16	4.0*	15.6
17	4.0*	14.5
18	4.0*	8.9

* Capped

Note that the test form is shared between 1A and 2A.

6.2.1.2 Listening 1B

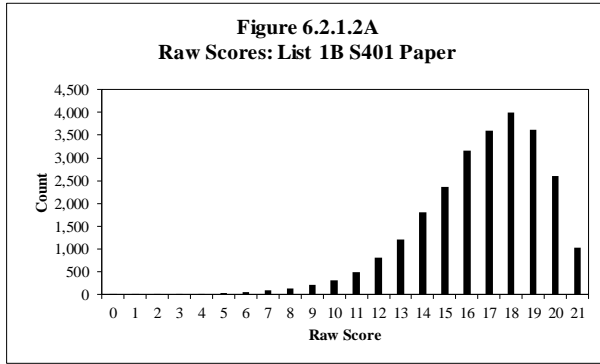


Table 6.2.1.2A

Raw Score Descriptive Statistics: List 1B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	25,565	0	21	16.64	2.84

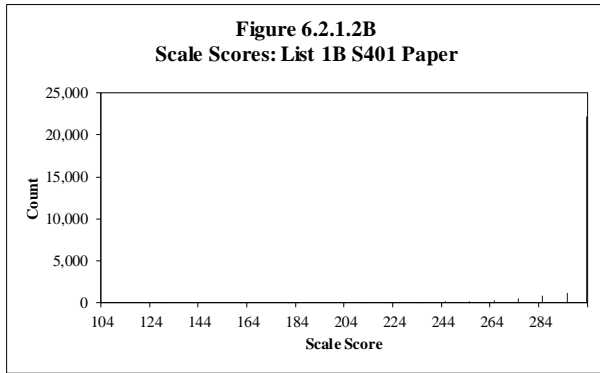


Table 6.2.1.2B

Scale Score Descriptive Statistics: List 1B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	25,565	104	303	299.69	11.57

Note: Scale scores capped at proficiency level 5.0

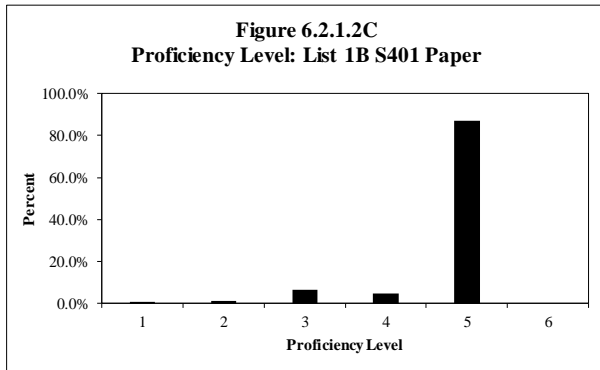


Table 6.2.1.2C

Proficiency Level Distribution: List 1B S401 Paper

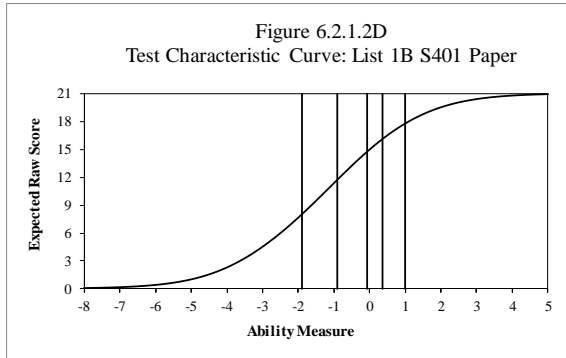
Level	Count	Percent
1	197	0.8%
2	343	1.3%
3	1,615	6.3%
4	1,206	4.7%
5	22,204	86.9%
6	n/a	n/a
Total	25,565	100.0%

Note: Scale scores capped at proficiency level 5.0

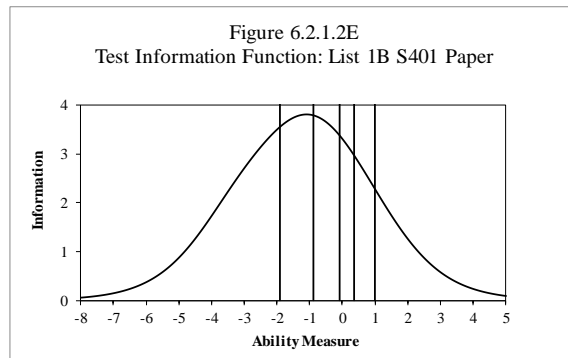
Table 6.2.1.2D
Scaling Equation for Listening

$$\text{Listening Scale Score} = (\text{Ability Measure in Logits} * 37.571) + 316.637$$

Table 6.2.1.2E
Equating Summary: List 1B S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 5.0



Note: Scale scores capped at proficiency level 5.0

Table 6.2.1.2F
Reliability: List 1B S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
51,907	21	0.681	1.535

Note that the test form is shared between 1B and 2B.

Table 6.2.1.2G

Complete Item Analysis and Summary: List 1B S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	-1.25	0.99	0.92
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.L12B_9828_SIp2_EndSchoolDay_302_S401_Paper	-2.98	0.94	0.67
2.L12B_9829_SIp3_EndSchoolDay_302_S401_Paper	-2.71	0.94	0.65
3.L12B_9830_SIp4_EndSchoolDay_302_S401_Paper	-1.49	1.01	1.03
4.L12B_10745_LAp2_BenjaminFranklin_302_S401_Paper	-1.02	1.15	1.40
5.L12B_10746_LAp3_BenjaminFranklin_302_S401_Paper	-1.32	0.94	0.83
6.L12B_10748_LAp4_BenjaminFranklin_302_S401_Paper	0.73	1.11	1.17
7.L12B_7061_MAp2_ShapeGame_203_S401_Paper	-1.07	1.06	1.16
8.L12B_7062_MAp3_ShapeGame_203_S401_Paper	1.18	1.08	1.14
9.L12B_7063_MAp4_ShapeGame_203_S401_Paper	-0.09	1.06	1.07
10.L12B_7352_SCP2_MixDrinks_203_S401_Paper	-3.40	0.93	0.77
11.L12B_7353_SCP3_MixDrinks_203_S401_Paper	-2.06	0.93	0.78
12.L12B_7355_SCP4_MixDrinks_203_S401_Paper	-3.05	0.93	0.64
13.L12B_10716_SSp2_CityWorkers_302_S401_Paper	-1.89	0.97	0.87
14.L12B_10718_SSp3_CityWorkers_302_S401_Paper	-1.23	0.97	0.88
15.L12B_10719_SSp4_CityWorkers_302_S401_Paper	-1.37	0.94	0.81
16.L12B_10794_LAp3_GrowingUp_302_S401_Paper	-3.05	0.96	0.73
17.L12B_10795_LAp4_GrowingUp_302_S401_Paper	-0.61	1.00	0.97
18.L12B_10802_LAp5_GrowingUp_302_S401_Paper	-0.46	0.97	0.93
19.L12B_7654_MAp3_SchoolClothes_203_S401_Paper	-0.64	0.95	0.90
20.L12B_7655_MAp4_SchoolClothes_203_S401_Paper	0.00	0.97	0.96
21.L12B_7656_MAp5_SchoolClothes_203_S401_Paper	0.33	1.00	1.00

* No equating was performed for S303 and S401. Information on anchored items and their P-values can be found in S302 Annual Technical Report, Table H.

Note that the test form is shared between 1B and 2B.

Table 6.2.1.2H

DIF Analysis and Summary: List 1B S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	10	11	12	9
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.L12B_9828_SIp2_EndSchoolDay_302_S401_Paper	A	F	A	H
2.L12B_9829_SIp3_EndSchoolDay_302_S401_Paper	A	F	A	H
3.L12B_9830_SIp4_EndSchoolDay_302_S401_Paper	A	F	A	H
4.L12B_10745_LAp2_BenjaminFranklin_302_S401_Paper	A	F	A	H
5.L12B_10746_LAp3_BenjaminFranklin_302_S401_Paper	A	F	A	H
6.L12B_10748_LAp4_BenjaminFranklin_302_S401_Paper	A	M	A	H
7.L12B_7061_MAp2_ShapeGame_203_S401_Paper	A	M	A	O
8.L12B_7062_MAp3_ShapeGame_203_S401_Paper	A	M	A	O
9.L12B_7063_MAp4_ShapeGame_203_S401_Paper	A	M	A	H
10.L12B_7352_SCP2_MixDrinks_203_S401_Paper	A	F	A	O
11.L12B_7353_SCP3_MixDrinks_203_S401_Paper	A	F	A	O
12.L12B_7355_SCP4_MixDrinks_203_S401_Paper	A	F	A	O
13.L12B_10716_SSp2_CityWorkers_302_S401_Paper	A	M	A	H
14.L12B_10718_SSp3_CityWorkers_302_S401_Paper	A	M	A	H
15.L12B_10719_SSp4_CityWorkers_302_S401_Paper	A	M	A	H
16.L12B_10794_LAp3_GrowingUp_302_S401_Paper	A	M	A	H
17.L12B_10795_LAp4_GrowingUp_302_S401_Paper	A	F	A	O
18.L12B_10802_LAp5_GrowingUp_302_S401_Paper	A	F	A	O
19.L12B_7654_MAp3_SchoolClothes_203_S401_Paper	A	M	A	H
20.L12B_7655_MAp4_SchoolClothes_203_S401_Paper	A	F	A	O
21.L12B_7656_MAp5_SchoolClothes_203_S401_Paper	A	M	A	O

Note that the test form is shared between 1B and 2B.

Table 6.2.1.2I

Raw Score to Scale Score Conversion: List 1B S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
	Grade 1			
0	104^	53.73	100.00^	135.73
1	130	39.85	100.00^	169.85
2	161	29.82	131.18	190.82
3	181	25.70	155.30	206.70
4	197	23.41	173.59	220.41
5	211	21.96	189.04	232.96
6	223	20.96	202.04	243.96
7	234	20.25	213.75	254.25
8	245	19.75	225.25	264.75
9	255	19.41	235.59	274.41
10	265	19.23	245.77	284.23
11	275	19.19	255.81	294.19
12	285	19.30	265.70	304.30
13	295	19.56	275.44	314.56
14	303*	19.91*	285.09*	324.91*
15				
16				
17				
18				
19				
20				
21				

^ Truncated

* Applies to all capped grade 1 scores

Note that the test form is shared between 1B and 2B.

Table 6.2.1.2J

Raw Score to Proficiency Level Conversion: List 1B S401 Paper

Raw Score	Grade 1	
	Proficiency Level Score	% of Students
0	1.0	0.0
1	1.1	0.0
2	1.4	0.0
3	1.5	0.0
4	1.7	0.1
5	1.8	0.1
6	1.9	0.2
7	1.9	0.3
8	2.3	0.5
9	2.8	0.8
10	3.1	1.2
11	3.5	1.9
12	3.8	3.1
13	4.3	4.7
14	5.0*	7.1
15	5.0*	9.3
16	5.0*	12.4
17	5.0*	14.1
18	5.0*	15.6
19	5.0*	14.1
20	5.0*	10.2
21	5.0*	4.0

* Capped

Note that the test form is shared between 1B and 2B.

6.2.1.3 Listening 1C

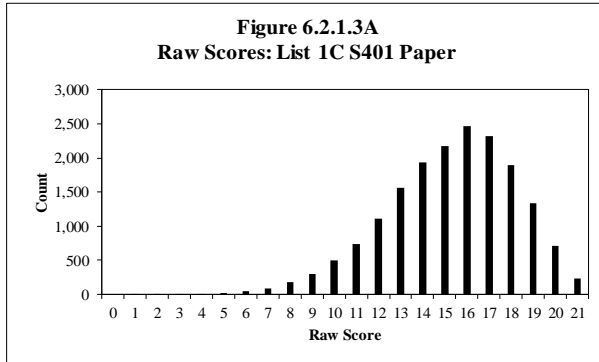


Table 6.2.1.3A

Raw Score Descriptive Statistics: List 1C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	17,614	1	21	15.27	2.92

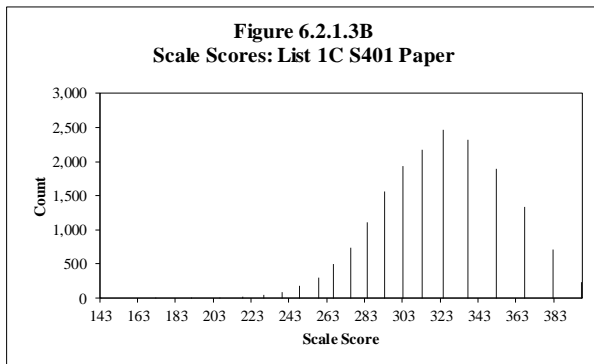


Table 6.2.1.3B

Scale Score Descriptive Statistics: List 1C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	17,614	143	397	319.85	33.11

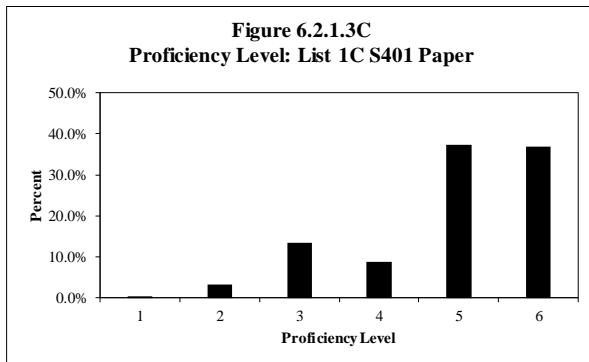


Table 6.2.1.3C

Proficiency Level Distribution: List 1C S401 Paper

Level	Count	Percent
1	78	0.4%
2	566	3.2%
3	2,354	13.4%
4	1,557	8.8%
5	6,571	37.3%
6	6,488	36.8%
Total	17,614	100.0%

Table 6.2.1.3D
Scaling Equation for Listening

$$\text{Listening Scale Score} = (\text{Ability Measure in Logits} * 37.571) + 316.637$$

Table 6.2.1.3E
Equating Summary: List 1C S401 Paper
Note: No equating was performed for S401.

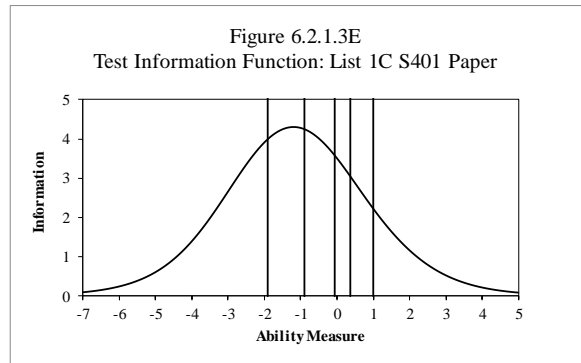
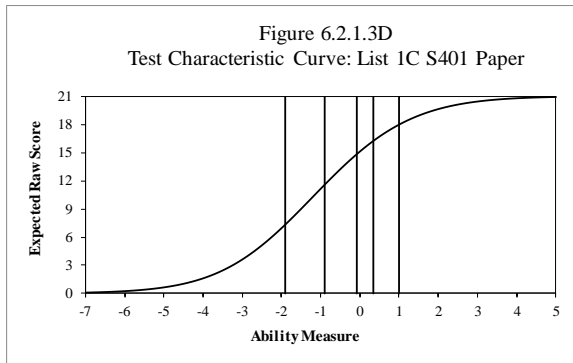


Table 6.2.1.3F
Reliability: List 1C S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
54,490	21	0.640	1.670

Note that the test form is shared between 1C and 2C.

Table 6.2.1.3G

Complete Item Analysis and Summary: List 1C S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	-1.19	1.00	0.98
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.L12C_10064_SIp3_Drawing_302_S401_Paper	-2.19	0.97	0.85
2.L12C_10065_SIp4_Drawing_302_S401_Paper	-2.51	0.96	0.79
3.L12C_10066_SIp5_Drawing_302_S401_Paper	-0.52	1.02	1.03
4.L12C_10764_LAp3_FriendStory_302_S401_Paper	-2.33	0.99	0.99
5.L12C_10765_LAp4_FriendStory_302_S401_Paper	-1.76	0.99	0.98
6.L12C_10766_LAp5_FriendStory_302_S401_Paper	-0.06	1.04	1.07
7.L12C_10144_MAp3_BookClub_302_S401_Paper	-0.04	0.95	0.92
8.L12C_10145_MAp4_BookClub_302_S401_Paper	-0.94	0.93	0.85
9.L12C_10146_MAp5_BookClub_302_S401_Paper	1.07	0.99	1.01
10.L12C_7261_SCP3_DesertLife_203_S401_Paper	-1.97	0.99	0.98
11.L12C_7262_SCP4_DesertLife_203_S401_Paper	-0.92	1.00	0.98
12.L12C_7263_SCP5_DesertLife_203_S401_Paper	-0.37	0.97	0.94
13.L12C_10757_SSp3_TownWalk_302_S401_Paper	-2.01	0.98	0.92
14.L12C_10758_SSp4_TownWalk_302_S401_Paper	-2.87	0.96	0.91
15.L12C_10759_SSp5_TownWalk_302_S401_Paper	-1.43	1.04	1.08
16.L12C_10786_LAp3_ProblemDay_302_S401_Paper	-1.81	0.96	0.93
17.L12C_10787_LAp4_ProblemDay_302_S401_Paper	-1.91	0.97	0.91
18.L12C_10788_LAp5_ProblemDay_302_S401_Paper	-0.45	1.12	1.20
19.L12C_7223_MAp3_MeasureMe_203_S401_Paper	-1.14	1.05	1.08
20.L12C_7224_MAp4_MeasureMe_203_S401_Paper	-0.99	1.07	1.16
21.L12C_7225_MAp5_MeasureMe_203_S401_Paper	0.26	1.01	1.00

* No equating was performed for S303 and S401. Information on anchored items and their P-values can be found in S302 Annual Technical Report, Table H.

Note that the test form is shared between 1C and 2C.

Table 6.2.1.3H

DIF Analysis and Summary: List 1C S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	9	12	14	7
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.L12C_10064_SIp3_Drawing_302_S401_Paper	A	F	A	O
2.L12C_10065_SIp4_Drawing_302_S401_Paper	A	F	A	H
3.L12C_10066_SIp5_Drawing_302_S401_Paper	A	F	A	H
4.L12C_10764_LAp3_FriendStory_302_S401_Paper	A	F	A	H
5.L12C_10765_LAp4_FriendStory_302_S401_Paper	A	M	A	H
6.L12C_10766_LAp5_FriendStory_302_S401_Paper	A	F	A	H
7.L12C_10144_MAp3_BookClub_302_S401_Paper	A	M	A	O
8.L12C_10145_MAp4_BookClub_302_S401_Paper	A	F	A	H
9.L12C_10146_MAp5_BookClub_302_S401_Paper	A	M	A	O
10.L12C_7261_SCp3_DesertLife_203_S401_Paper	A	M	A	H
11.L12C_7262_SCp4_DesertLife_203_S401_Paper	A	M	A	O
12.L12C_7263_SCp5_DesertLife_203_S401_Paper	A	F	A	H
13.L12C_10757_SSp3_TownWalk_302_S401_Paper	A	F	A	H
14.L12C_10758_SSp4_TownWalk_302_S401_Paper	A	F	A	H
15.L12C_10759_SSp5_TownWalk_302_S401_Paper	A	M	A	O
16.L12C_10786_LAp3_ProblemDay_302_S401_Paper	A	M	A	H
17.L12C_10787_LAp4_ProblemDay_302_S401_Paper	A	M	A	O
18.L12C_10788_LAp5_ProblemDay_302_S401_Paper	A	F	A	H
19.L12C_7223_MAp3_MeasureMe_203_S401_Paper	A	F	A	O
20.L12C_7224_MAp4_MeasureMe_203_S401_Paper	A	F	A	H
21.L12C_7225_MAp5_MeasureMe_203_S401_Paper	A	M	A	H

Note that the test form is shared between 1C and 2C.

Table 6.2.1.3I

Raw Score to Scale Score Conversion: List 1C S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
	Grade 1			
0	104^	62.37	100.00^	157.37
1	143	39.28	103.72	182.28
2	172	29.00	143.00	201.00
3	191	24.70	166.30	215.70
4	206	22.31	183.69	228.31
5	218	20.80	197.20	238.80
6	229	19.80	209.20	248.80
7	239	19.11	219.89	258.11
8	248	18.66	229.34	266.66
9	258	18.39	239.61	276.39
10	266	18.27	247.73	284.27
11	275	18.29	256.71	293.29
12	284	18.44	265.56	302.44
13	293	18.75	274.25	311.75
14	303	19.24	283.76	322.24
15	313	19.97	293.03	332.97
16	324	21.03	302.97	345.03
17	337	22.60	314.40	359.60
18	352	25.06	326.94	377.06
19	367*	28.18	343.82	400.18
20	382*	32.69	369.31	434.69
21	397*	37.57	412.43	487.57

^ Truncated

* Adjusted for end of scale effect

Note that the test form is shared between 1C and 2C.

Table 6.2.1.3J

Raw Score to Proficiency Level Conversion: List 1C S401 Paper

Raw Score	Grade 1	
	Proficiency Level Score	% of Students
0	1.0	0.0
1	1.2	0.0
2	1.5	0.0
3	1.6	0.0
4	1.7	0.0
5	1.8	0.1
6	1.9	0.3
7	2.1	0.5
8	2.5	1.0
9	2.9	1.7
10	3.2	2.8
11	3.5	4.2
12	3.7	6.3
13	4.1	8.8
14	5.0	11.0
15	5.4	12.3
16	5.8	14.0
17	6.0	13.2
18	6.0	10.8
19	6.0	7.6
20	6.0	4.0
21	6.0	1.3

Note that the test form is shared between 1C and 2C.

6.2.2 Reading 1

6.2.2.1 Reading 1A

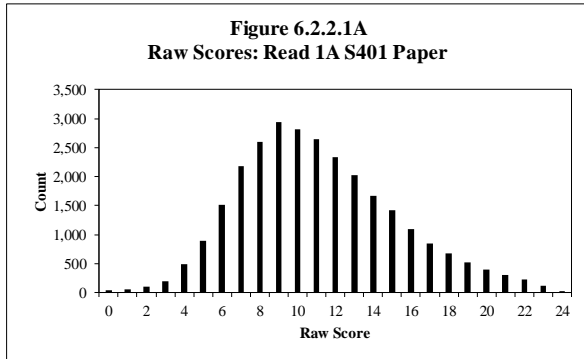


Table 6.2.2.1A

Raw Score Descriptive Statistics: Read 1A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	28,115	0	24	11.08	4.14

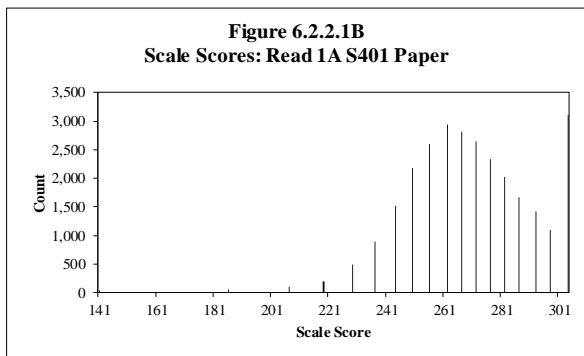


Table 6.2.2.1B

Scale Score Descriptive Statistics: Read 1A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	28,115	141	304	270.58	21.12

Note: Scale scores capped at proficiency level 4.0

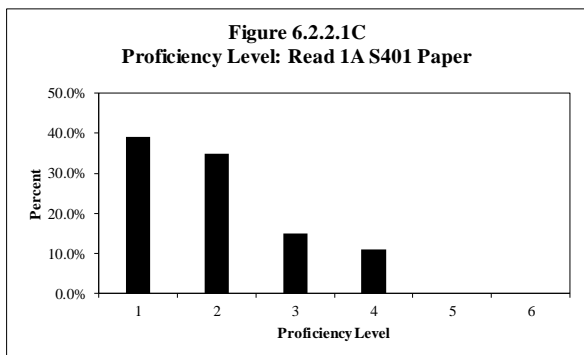


Table 6.2.2.1C

Proficiency Level Distribution: Read 1A S401 Paper

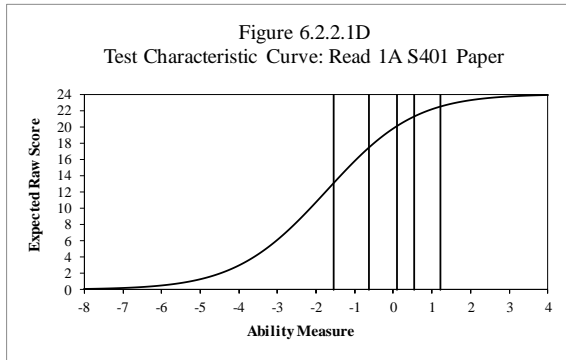
Level	Count	Percent
1	10,999	39.1%
2	9,817	34.9%
3	4,186	14.9%
4	3,113	11.1%
5	n/a	n/a
6	n/a	n/a
Total	28,115	100.0%

Note: Scale scores capped at proficiency level 4.0

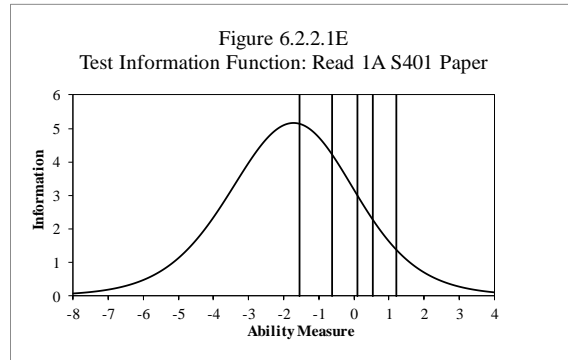
Table 6.2.2.1D
Scaling Equation for Reading

$$\text{Reading Scale Score} = (\text{Ability Measure in Logits} * 26.000) + 323.272$$

Table 6.2.2.1E
Equating Summary: Read 1A S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 4.0



Note: Scale scores capped at proficiency level 4.0

Table 6.2.2.1F
Reliability: Read 1A S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
38,380	24	0.766	2.183

Note that the test form is shared between 1A and 2A.

Table 6.2.2.1G

Complete Item Analysis and Summary: Read 1A S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	-1.79	1.00	1.00
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.R12A_10639_SIp1_FavoriteThings_301_S401_Paper	-2.41	1.03	1.10
2.R12A_10640_SIp2_FavoriteThings_301_S401_Paper	-2.24	0.90	0.85
3.R12A_10641_SIp3_FavoriteThings_301_S401_Paper	-1.00	1.07	1.13
4.R12A_9485_LAp1_RainyDay_303_S401_Paper	-3.01	0.88	0.76
5.R12A_9489_LAp2_RainyDay_303_S401_Paper	-2.52	0.88	0.80
6.R12A_9490_LAp3_RainyDay_303_S401_Paper	-1.27	1.01	1.01
7.R12A_9370_MAp1_LunchChoice_301_S401_Paper	-3.91	0.99	0.90
8.R12A_9371_MAp2_LunchChoice_301_S401_Paper	-2.76	0.96	0.90
9.R12A_9372_MAp3_LunchChoice_301_S401_Paper	-1.41	0.88	0.84
10.R12A_11068_SCP1_EarthResources_303_S401_Paper	-2.59	0.92	0.87
11.R12A_11069_SCP2_EarthResources_303_S401_Paper	-1.99	0.96	0.92
12.R12A_11088_SCP3_EarthResources_303_S401_Paper	-0.20	1.05	1.19
13.R12A_6727_SSp1_HomesofthePast_203_S401_Paper	-2.39	0.84	0.79
14.R12A_6728_SSp2_HomesofthePast_203_S401_Paper	-2.58	0.94	0.90
15.R12A_6729_SSp3_HomesofthePast_203_S401_Paper	-0.85	1.02	1.05
16.R12A_10642_SIp2_ClassNews_301_S401_Paper	-1.53	1.06	1.07
17.R12A_10643_SIp3_ClassNews_301_S401_Paper	-1.21	0.97	0.95
18.R12A_10644_SIp4_ClassNews_301_S401_Paper	-1.29	1.14	1.17
19.R12A_11319_LAp2_MissingTooth_303_S401_Paper	-1.49	0.96	0.95
20.R12A_11320_LAp3_MissingTooth_303_S401_Paper	-1.48	1.10	1.12
21.R12A_11321_LAp4_MissingTooth_303_S401_Paper	-0.69	1.18	1.25
22.R12A_5125_MAp1_SchoolStore_dode_S401_Paper	-1.28	0.97	0.97
23.R12A_5126_MAp2_SchoolStore_dode_S401_Paper	-1.90	1.07	1.09
24.R12A_5127_MAp3_SchoolStore_dode_S401_Paper	-0.91	1.28	1.38

* No equating was performed for S401. Information on anchored items and their P-values can be found in S303 Annual Technical Report, Table H.

Note that the test form is shared between 1A and 2A.

Table 6.2.2.1H

DIF Analysis and Summary: Read 1A S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	12	12	14	10
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.R12A_10639_SIp1_FavoriteThings_301_S401_Paper	A	M	A	O
2.R12A_10640_SIp2_FavoriteThings_301_S401_Paper	A	F	A	H
3.R12A_10641_SIp3_FavoriteThings_301_S401_Paper	A	M	A	O
4.R12A_9485_LAp1_RainyDay_303_S401_Paper	A	F	A	H
5.R12A_9489_LAp2_RainyDay_303_S401_Paper	A	F	A	H
6.R12A_9490_LAp3_RainyDay_303_S401_Paper	A	F	A	O
7.R12A_9370_MAp1_LunchChoice_301_S401_Paper	A	F	A	H
8.R12A_9371_MAp2_LunchChoice_301_S401_Paper	A	F	A	H
9.R12A_9372_MAp3_LunchChoice_301_S401_Paper	A	M	A	O
10.R12A_11068_ScP1_EarthResources_303_S401_Paper	A	M	A	H
11.R12A_11069_ScP2_EarthResources_303_S401_Paper	A	M	A	H
12.R12A_11088_ScP3_EarthResources_303_S401_Paper	A	F	A	O
13.R12A_6727_SSp1_HomesofthePast_203_S401_Paper	A	F	A	O
14.R12A_6728_SSp2_HomesofthePast_203_S401_Paper	A	M	A	H
15.R12A_6729_SSp3_HomesofthePast_203_S401_Paper	A	F	A	H
16.R12A_10642_SIp2_ClassNews_301_S401_Paper	A	M	A	H
17.R12A_10643_SIp3_ClassNews_301_S401_Paper	A	F	A	H
18.R12A_10644_SIp4_ClassNews_301_S401_Paper	A	M	A	O
19.R12A_11319_LAp2_MissingTooth_303_S401_Paper	A	F	A	O
20.R12A_11320_LAp3_MissingTooth_303_S401_Paper	A	M	A	O
21.R12A_11321_LAp4_MissingTooth_303_S401_Paper	A	M	A	H
22.R12A_5125_MAp1_SchoolStore_dode_S401_Paper	A	M	A	O
23.R12A_5126_MAp2_SchoolStore_dode_S401_Paper	A	F	A	H
24.R12A_5127_MAp3_SchoolStore_dode_S401_Paper	A	M	A	H

Note that the test form is shared between 1A and 2A.

Table 6.2.2.11

Raw Score to Scale Score Conversion: Read 1A S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
	Grade 1			
0	141^	60.84	100.00^	213.84
1	186	27.14	158.86	213.14
2	207	19.93	187.07	226.93
3	219	16.84	202.16	235.84
4	229	15.06	213.94	244.06
5	237	13.91	223.09	250.91
6	244	13.11	230.89	257.11
7	250	12.53	237.47	262.53
8	256	12.11	243.89	268.11
9	262	11.81	250.19	273.81
10	267	11.61	255.39	278.61
11	272	11.48	260.52	283.48
12	277	11.43	265.57	288.43
13	282	11.45	270.55	293.45
14	287	11.54	275.46	298.54
15	293	11.72	281.28	304.72
16	298	11.98	286.02	309.98
17	304	12.37	291.63	316.37
18	304*	12.48*	297.52*	322.48*
19				
20				
21				
22				
23				
24				

^ Truncated

* Applies to all capped grade 1 scores

Note that the test form is shared between 1A and 2A.

Table 6.2.2.1J

Raw Score to Proficiency Level Conversion: Read 1A S401 Paper

Raw Score	Grade 1	
	Proficiency Level Score	% of Students
0	1.0	0.2
1	1.3	0.2
2	1.5	0.3
3	1.6	0.7
4	1.7	1.8
5	1.7	3.2
6	1.8	5.4
7	1.8	7.7
8	1.9	9.2
9	1.9	10.5
10	2.1	10.0
11	2.3	9.4
12	2.5	8.3
13	2.8	7.2
14	3.0	6.0
15	3.3	5.1
16	3.6	3.9
17	4.0	3.0
18	4.0*	2.4
19	4.0*	1.8
20	4.0*	1.4
21	4.0*	1.1
22	4.0*	0.8
23	4.0*	0.4
24	4.0*	0.1

* Capped

Note that the test form is shared between 1A and 2A.

6.2.2.2 Reading 1B

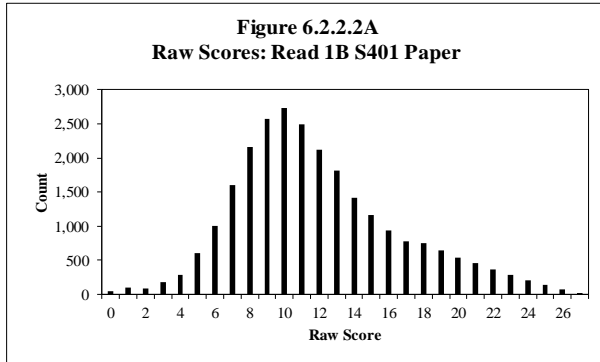


Table 6.2.2.2A

Raw Score Descriptive Statistics: Read 1B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	25,571	0	27	11.88	4.70

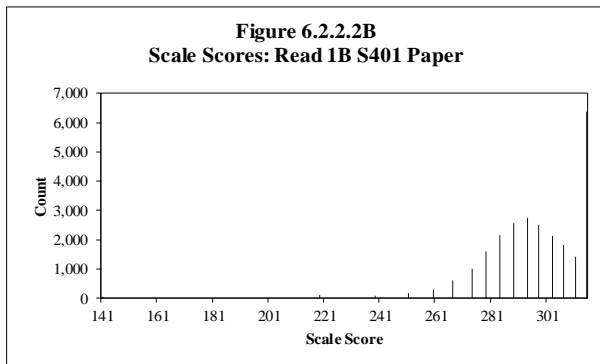


Table 6.2.2.2B

Scale Score Descriptive Statistics: Read 1B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	25,571	141	315	297.09	17.17

Note: Scale scores capped at proficiency level 5.0

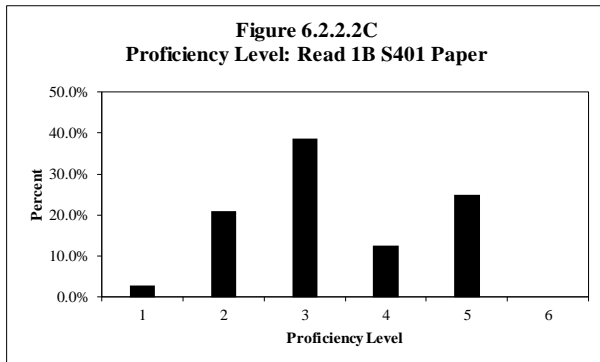


Table 6.2.2.2C

Proficiency Level Distribution: Read 1B S401 Paper

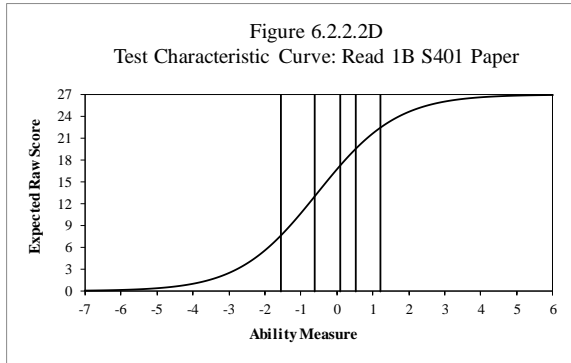
Level	Count	Percent
1	699	2.7%
2	5,367	21.0%
3	9,903	38.7%
4	3,228	12.6%
5	6,374	24.9%
6	n/a	n/a
Total	25,571	100.0%

Note: Scale scores capped at proficiency level 5.0

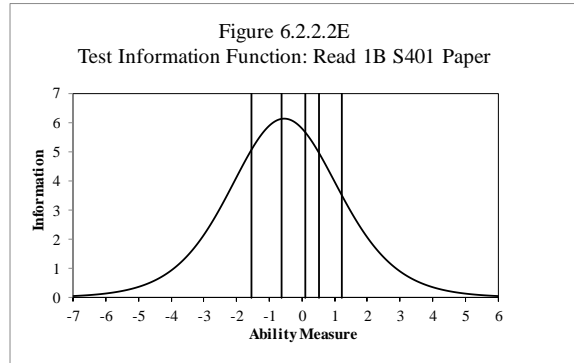
Table 6.2.2.2D
Scaling Equation for Reading

$$\text{Reading Scale Score} = (\text{Ability Measure in Logits} * 26.000) + 323.272$$

Table 6.2.2.2E
Equating Summary: Read 1B S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 5.0



Note: Scale scores capped at proficiency level 5.0

Table 6.2.2.2F
Reliability: Read 1B S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
51,911	27	0.818	2.337

Note that the test form is shared between 1B and 2B.

Table 6.2.2G

Complete Item Analysis and Summary: Read 1B S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	-0.55	1.00	0.99
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.R12B_8517_SIp2_FieldTrip_301_S401_Paper	-0.60	0.95	1.01
2.R12B_8519_SIp3_FieldTrip_301_S401_Paper	-0.50	1.15	1.19
3.R12B_8522_SIp4_FieldTrip_301_S401_Paper	-0.89	0.93	0.89
4.R12B_11319_LAp2_MissingTooth_303_S401_Paper	-0.97	0.88	0.85
5.R12B_11320_LAp3_MissingTooth_303_S401_Paper	-1.03	0.98	0.99
6.R12B_11321_LAp4_MissingTooth_303_S401_Paper	-0.04	1.03	1.06
7.R12B_8377_MAp2_Balance_301_S401_Paper	-1.97	0.97	0.88
8.R12B_8378_MAp3_Balance_301_S401_Paper	-0.68	1.02	1.01
9.R12B_8379_MAp4_Balance_301_S401_Paper	-0.64	0.96	0.92
10.R12B_11453_SCp2_SeedGrows_303_S401_Paper	0.59	0.97	0.97
11.R12B_11455_SCp3_SeedGrows_303_S401_Paper	0.08	1.19	1.26
12.R12B_11456_SCp4_SeedGrows_303_S401_Paper	-0.23	1.29	1.38
13.R12B_8452_SSp2_HelpfulWorkers_203_S401_Paper	-1.63	0.90	0.82
14.R12B_8453_SSp3_HelpfulWorkers_203_S401_Paper	-0.91	1.03	1.04
15.R12B_8454_SSp4_HelpfulWorkers_203_S401_Paper	-1.32	0.90	0.82
16.R12B_8267_LAp3_FishWish_203_S401_Paper	-0.24	0.95	0.94
17.R12B_8268_LAp4_FishWish_203_S401_Paper	-0.95	0.92	0.85
18.R12B_8269_LAp5_FishWish_203_S401_Paper	-0.55	1.02	1.02
19.R12B_8683_MAp3_PetSchedule_301_S401_Paper	0.11	1.06	1.06
20.R12B_8684_MAp4_PetSchedule_301_S401_Paper	-0.39	1.10	1.09
21.R12B_8685_MAp5_PetSchedule_301_S401_Paper	-0.30	1.08	1.09
22.R12B_11028_SCp1_UsingNature_303_S401_Paper	-1.07	0.81	0.73
23.R12B_11029_SCp2_UsingNature_303_S401_Paper	-0.53	0.92	0.88
24.R12B_11030_SCp3_UsingNature_303_S401_Paper	1.05	1.15	1.27
25.R12B_6931_SSp2_WhenIGrowUp_203_S401_Paper	-1.22	0.87	0.80
26.R12B_6932_SSp3_WhenIGrowUp_203_S401_Paper	-0.22	1.03	1.01
27.R12B_6933_SSp4_WhenIGrowUp_203_S401_Paper	0.17	1.00	0.99

* No equating was performed for S401. Information on anchored items and their P-values can be found in S303 Annual Technical Report, Table H.

Note that the test form is shared between 1B and 2B.

Table 6.2.2.2H

DIF Analysis and Summary: Read 1B S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	16	11	17	10
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.R12B_8517_SIp2_FieldTrip_301_S401_Paper	A	F	A	H
2.R12B_8519_SIp3_FieldTrip_301_S401_Paper	A	F	A	H
3.R12B_8522_SIp4_FieldTrip_301_S401_Paper	A	F	A	H
4.R12B_11319_LAp2_MissingTooth_303_S401_Paper	A	F	A	O
5.R12B_11320_LAp3_MissingTooth_303_S401_Paper	A	F	A	H
6.R12B_11321_LAp4_MissingTooth_303_S401_Paper	A	F	A	H
7.R12B_8377_MAp2_Balance_301_S401_Paper	A	M	A	H
8.R12B_8378_MAp3_Balance_301_S401_Paper	A	M	A	H
9.R12B_8379_MAp4_Balance_301_S401_Paper	A	F	A	H
10.R12B_11453_SCP2_SeedGrows_303_S401_Paper	A	M	A	H
11.R12B_11455_SCP3_SeedGrows_303_S401_Paper	A	M	A	H
12.R12B_11456_SCP4_SeedGrows_303_S401_Paper	A	M	A	O
13.R12B_8452_SSp2_HelpfulWorkers_203_S401_Paper	A	M	A	O
14.R12B_8453_SSp3_HelpfulWorkers_203_S401_Paper	A	M	A	O
15.R12B_8454_SSp4_HelpfulWorkers_203_S401_Paper	A	M	A	H
16.R12B_8267_LAp3_FishWish_203_S401_Paper	A	F	A	O
17.R12B_8268_LAp4_FishWish_203_S401_Paper	A	F	A	H
18.R12B_8269_LAp5_FishWish_203_S401_Paper	A	F	A	H
19.R12B_8683_MAp3_PetSchedule_301_S401_Paper	A	M	A	H
20.R12B_8684_MAp4_PetSchedule_301_S401_Paper	A	M	A	O
21.R12B_8685_MAp5_PetSchedule_301_S401_Paper	A	M	A	O
22.R12B_11028_SCP1_UsingNature_303_S401_Paper	A	M	A	O
23.R12B_11029_SCP2_UsingNature_303_S401_Paper	A	M	A	O
24.R12B_11030_SCP3_UsingNature_303_S401_Paper	A	M	A	H
25.R12B_6931_SSp2_WhenIGrowUp_203_S401_Paper	A	F	A	O
26.R12B_6932_SSp3_WhenIGrowUp_203_S401_Paper	A	M	A	H
27.R12B_6933_SSp4_WhenIGrowUp_203_S401_Paper	A	M	A	H

Note that the test form is shared between 1B and 2B.

Table 6.2.2.2I

Raw Score to Scale Score Conversion: Read 1B S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
	Grade 1			
0	141^	114.14	100.00^	301.14
1	219	26.70	192.30	245.70
2	239	19.38	219.62	258.38
3	251	16.24	234.76	267.24
4	260	14.44	245.56	274.44
5	267	13.26	253.74	280.26
6	274	12.43	261.57	286.43
7	279	11.83	267.17	290.83
8	284	11.38	272.62	295.38
9	289	11.04	277.96	300.04
10	294	10.80	283.20	304.80
11	298	10.63	287.37	308.63
12	303	10.52	292.48	313.52
13	307	10.47	296.53	317.47
14	311	10.47	300.53	321.47
15	315	10.53	304.47	325.53
16	315*	10.66*	308.34*	329.66*
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				

^ Truncated

* Applies to all capped grade 1 scores

Note that the test form is shared between 1B and 2B.

Table 6.2.2.2J

Raw Score to Proficiency Level Conversion: Read 1B S401 Paper

Raw Score	Grade 1	
	Proficiency Level Score	% of Students
0	1.0	0.2
1	1.6	0.4
2	1.7	0.3
3	1.8	0.7
4	1.9	1.1
5	2.1	2.4
6	2.4	3.9
7	2.6	6.3
8	2.9	8.4
9	3.1	10.0
10	3.4	10.7
11	3.6	9.7
12	3.9	8.3
13	4.2	7.1
14	4.6	5.5
15	5.0	4.5
16	5.0*	3.6
17	5.0*	3.1
18	5.0*	2.9
19	5.0*	2.5
20	5.0*	2.1
21	5.0*	1.8
22	5.0*	1.4
23	5.0*	1.1
24	5.0*	0.8
25	5.0*	0.5
26	5.0*	0.3
27	5.0*	0.1

* Capped

Note that the test form is shared between 1B and 2B.

6.2.2.3 Reading 1C

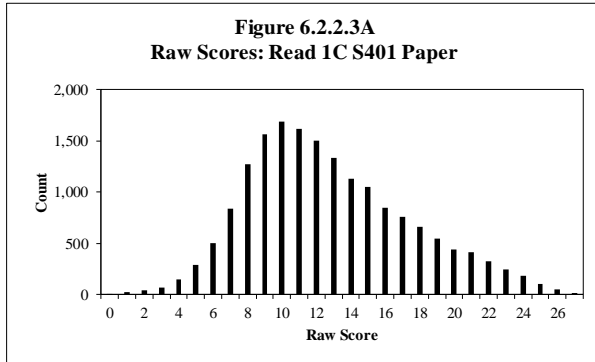


Table 6.2.2.3A

Raw Score Descriptive Statistics: Read 1C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	17,625	0	27	12.72	4.68

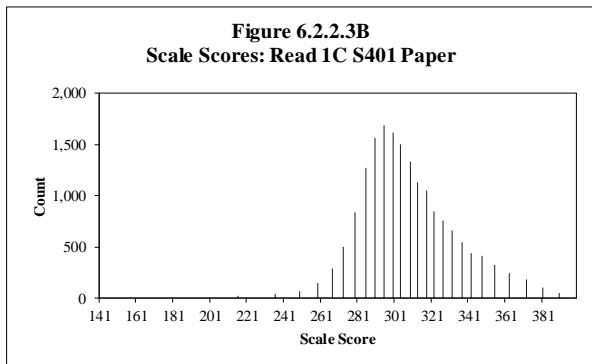


Table 6.2.2.3B

Scale Score Descriptive Statistics: Read 1C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	17,625	141	399	307.46	24.23

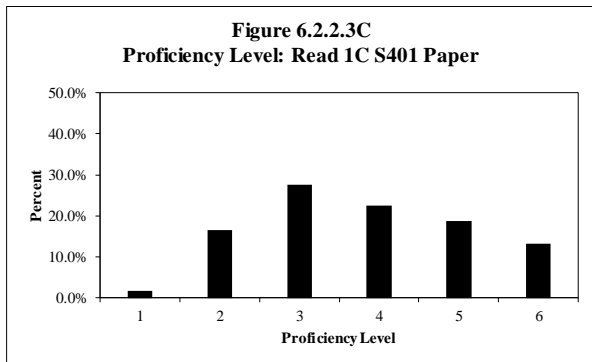


Table 6.2.2.3C

Proficiency Level Distribution: Read 1C S401 Paper

Level	Count	Percent
1	281	1.6%
2	2,895	16.4%
3	4,865	27.6%
4	3,962	22.5%
5	3,308	18.8%
6	2,314	13.1%
Total	17,625	100.0%

Table 6.2.2.3D
Scaling Equation for Reading

$$\text{Reading Scale Score} = (\text{Ability Measure in Logits} * 26.000) + 323.272$$

Table 6.2.2.3E
Equating Summary: Read 1C S401 Paper
Note: No equating was performed for S401.

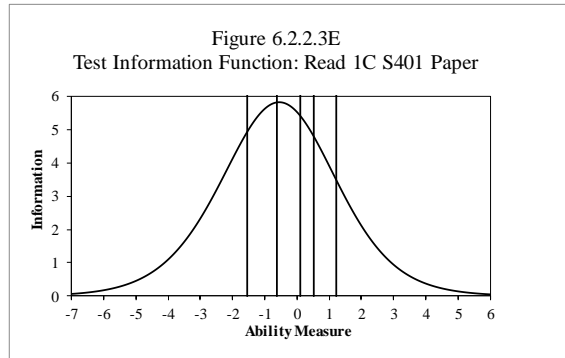
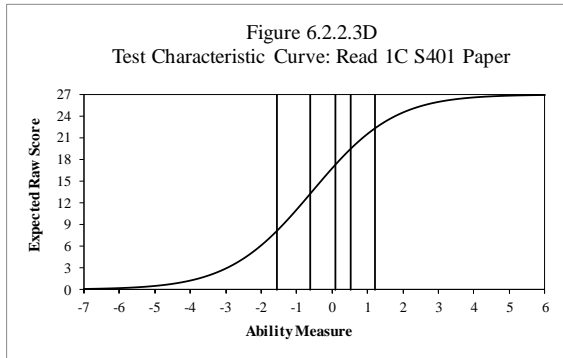


Table 6.2.2.3F
Reliability: Read 1C S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
54,506	27	0.819	2.262

Note that the test form is shared between 1C and 2C.

Table 6.2.2.3G

Complete Item Analysis and Summary: Read 1C S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	-0.48	1.00	1.02
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.R12C_8810_SIp3_ClassJobChart_301_S401_Paper	-2.93	1.02	1.40
2.R12C_8811_SIp4_ClassJobChart_301_S401_Paper	-1.62	0.91	0.80
3.R12C_8814_SIp5_ClassJobChart_301_S401_Paper	-0.97	0.96	0.92
4.R12C_7724_LAp3_ChipmunkHome_203_S401_Paper	-0.01	0.95	0.95
5.R12C_7725_LAp4_ChipmunkHome_203_S401_Paper	-0.33	0.89	0.86
6.R12C_7726_LAp5_ChipmunkHome_203_S401_Paper	0.06	1.11	1.16
7.R12C_8649_MAp3_ClassTripSchedule_301_S401_Paper	-1.12	1.01	1.08
8.R12C_8650_MAp4_ClassTripSchedule_301_S401_Paper	-0.26	0.92	0.91
9.R12C_8651_MAp5_ClassTripSchedule_301_S401_Paper	-0.19	1.04	1.05
10.R12C_11559_SCP3_ResourcefulWater_303_S401_Paper	-0.20	1.01	1.00
11.R12C_11560_SCP4_ResourcefulWater_303_S401_Paper	-0.35	1.00	0.99
12.R12C_11579_SCP5_ResourcefulWater_303_S401_Paper	1.19	1.04	1.15
13.R12C_8827_SSp3_OurNeighborhood_203_S401_Paper	-0.06	0.95	0.90
14.R12C_8828_SSp4_OurNeighborhood_203_S401_Paper	-0.33	0.90	0.83
15.R12C_8829_SSp5_OurNeighborhood_203_S401_Paper	0.06	1.02	1.01
16.R12C_10042_LAp3_JohnnyAppleseed_303_S401_Paper	-1.06	1.03	1.05
17.R12C_10043_LAp4_JohnnyAppleseed_303_S401_Paper	-1.54	0.93	0.85
18.R12C_10044_LAp5_JohnnyAppleseed_303_S401_Paper	-0.06	0.96	0.93
19.R12C_8838_MAp3_WeatherCalendar_301_S401_Paper	-1.76	1.00	0.98
20.R12C_8839_MAp4_WeatherCalendar_301_S401_Paper	0.91	1.28	1.45
21.R12C_8840_MAp5_WeatherCalendar_301_S401_Paper	1.15	1.22	1.44
22.R12C_10224_SCP3_Whales_303_S401_Paper	-0.26	1.06	1.07
23.R12C_10225_SCP4_Whales_303_S401_Paper	-0.07	1.08	1.08
24.R12C_10226_SCP5_Whales_303_S401_Paper	-0.93	1.05	1.17
25.R12C_7746_SSp3_UrbanNeighborhood_203_S401_Paper	-0.02	0.97	0.95
26.R12C_7747_SSp4_UrbanNeighborhood_203_S401_Paper	-1.13	0.89	0.79
27.R12C_7748_SSp5_UrbanNeighborhood_203_S401_Paper	-1.19	0.81	0.70

* No equating was performed for S401. Information on anchored items and their P-values can be found in S303 and S203 Annual Technical Report, Table H.

Note that the test form is shared between 1C and 2C.

Table 6.2.2.3H

DIF Analysis and Summary: Read 1C S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	15	12	17	10
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.R12C_8810_SIp3_ClassJobChart_301_S401_Paper	A	F	A	H
2.R12C_8811_SIp4_ClassJobChart_301_S401_Paper	A	F	A	H
3.R12C_8814_SIp5_ClassJobChart_301_S401_Paper	A	F	A	H
4.R12C_7724_LAp3_ChipmunkHome_203_S401_Paper	A	F	A	H
5.R12C_7725_LAp4_ChipmunkHome_203_S401_Paper	A	F	A	H
6.R12C_7726_LAp5_ChipmunkHome_203_S401_Paper	A	F	A	O
7.R12C_8649_MAp3_ClassTripSchedule_301_S401_Paper	A	F	A	H
8.R12C_8650_MAp4_ClassTripSchedule_301_S401_Paper	A	M	A	H
9.R12C_8651_MAp5_ClassTripSchedule_301_S401_Paper	A	F	A	O
10.R12C_11559_SCP3_ResourcefulWater_303_S401_Paper	A	M	A	O
11.R12C_11560_SCP4_ResourcefulWater_303_S401_Paper	A	M	A	O
12.R12C_11579_SCP5_ResourcefulWater_303_S401_Paper	A	M	A	H
13.R12C_8827_SSp3_OurNeighborhood_203_S401_Paper	A	M	A	H
14.R12C_8828_SSp4_OurNeighborhood_203_S401_Paper	A	M	A	H
15.R12C_8829_SSp5_OurNeighborhood_203_S401_Paper	A	F	A	H
16.R12C_10042_LAp3_JohnnyAppleseed_303_S401_Paper	A	M	A	H
17.R12C_10043_LAp4_JohnnyAppleseed_303_S401_Paper	A	M	A	O
18.R12C_10044_LAp5_JohnnyAppleseed_303_S401_Paper	A	F	A	O
19.R12C_8838_MAp3_WeatherCalendar_301_S401_Paper	A	M	A	H
20.R12C_8839_MAp4_WeatherCalendar_301_S401_Paper	A	F	A	O
21.R12C_8840_MAp5_WeatherCalendar_301_S401_Paper	A	M	A	O
22.R12C_10224_SCP3_Whales_303_S401_Paper	A	M	A	H
23.R12C_10225_SCP4_Whales_303_S401_Paper	A	M	A	H
24.R12C_10226_SCP5_Whales_303_S401_Paper	A	M	A	H
25.R12C_7746_SSp3_UrbanNeighborhood_203_S401_Paper	A	F	A	H
26.R12C_7747_SSp4_UrbanNeighborhood_203_S401_Paper	A	M	A	O
27.R12C_7748_SSp5_UrbanNeighborhood_203_S401_Paper	A	M	A	O

Note that the test form is shared between 1C and 2C.

Table 6.2.2.3I

Raw Score to Scale Score Conversion: Read 1C S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
	Grade 1			
0	141^	104.26	100.00^	287.26
1	216	27.22	188.78	243.22
2	236	19.96	216.04	255.96
3	249	16.81	232.19	265.81
4	259	14.98	244.02	273.98
5	267	13.76	253.24	280.76
6	273	12.91	260.09	285.91
7	279	12.27	266.73	291.27
8	285	11.80	273.20	296.80
9	290	11.45	278.55	301.45
10	295	11.18	283.82	306.18
11	300	10.99	289.01	310.99
12	304	10.87	293.13	314.87
13	309	10.80	298.20	319.80
14	313	10.78	302.22	323.78
15	318	10.83	307.17	328.83
16	322	10.93	311.07	332.93
17	327	11.10	315.90	338.10
18	332	11.34	320.66	343.34
19	337	11.67	325.33	348.67
20	342	12.12	329.88	354.12
21	348	12.71	335.29	360.71
22	355	13.54	341.46	368.54
23	363	14.71	348.29	377.71
24	372	16.49	355.51	388.49
25	381*	18.72	365.28	402.72
26	390*	21.58	382.42	425.58
27	399*	24.96	412.04	461.96

^ Truncated

* Adjusted for end of scale effect

Note that the test form is shared between 1C and 2C.

Table 6.2.2.3J

Raw Score to Proficiency Level Conversion: Read 1C S401 Paper

Raw Score	Grade 1	
	Proficiency Level Score	% of Students
0	1.0	0.1
1	1.6	0.1
2	1.7	0.2
3	1.8	0.4
4	1.9	0.8
5	2.1	1.6
6	2.4	2.8
7	2.6	4.7
8	2.9	7.2
9	3.2	8.9
10	3.5	9.6
11	3.7	9.2
12	4.0	8.5
13	4.4	7.5
14	4.8	6.4
15	5.1	6.0
16	5.3	4.8
17	5.6	4.3
18	5.8	3.7
19	6.0	3.1
20	6.0	2.5
21	6.0	2.4
22	6.0	1.8
23	6.0	1.4
24	6.0	1.0
25	6.0	0.6
26	6.0	0.3
27	6.0	0.1

Note that the test form is shared between 1C and 2C.

6.2.3 Writing 1

6.2.3.1 Writing 1A

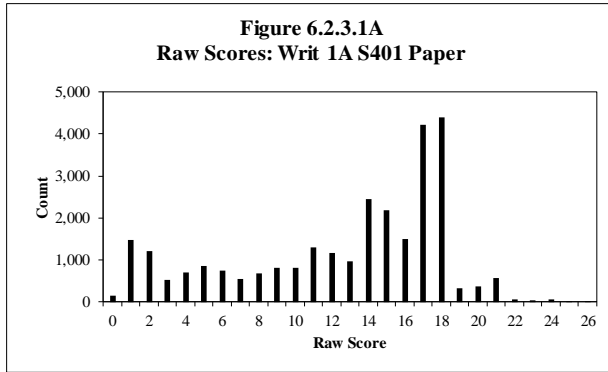


Table 6.2.3.1A

Raw Score Descriptive Statistics: Writ 1A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	28,106	0	26	12.58	5.75

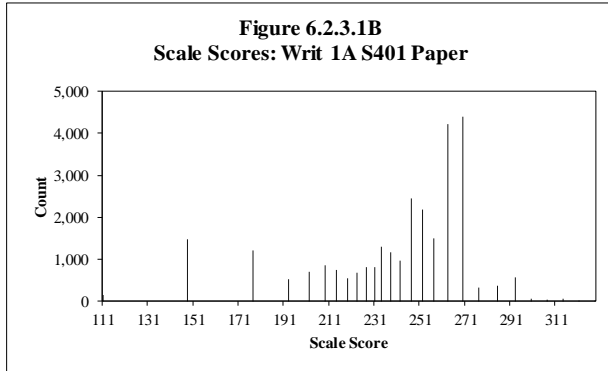


Table 6.2.3.1B

Scale Score Descriptive Statistics: Writ 1A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	28,106	111	328	239.60	35.15

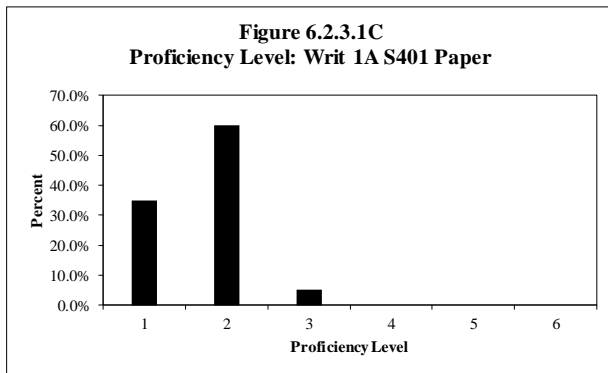


Table 6.2.3.1C

Proficiency Level Distribution: Writ 1A S401 Paper

Level	Count	Percent
1	9,813	34.9%
2	16,863	60.0%
3	1,430	5.1%
4	0	0.0%
5	0	0.0%
6	0	0.0%
Total	28,106	100.0%

Table 6.2.3.1D

Scaling Equation for Writing

Writing Scale Score = (Ability Measure in Logits*26.851) + 303.332

Table 6.2.3.1E

Equating Summary: Writ 1A S401 Paper

Comparison of Forms*	Form 401		Form 400			
	No. of Tasks	Average Difficulty (Std. Dev.)	No. of Tasks	Average Difficulty (Std. Dev.)		
	4	-1.80 (2.56)	4	0.22 (0.66)		
	Easiest	Hardest	Easiest	Hardest		
-5.53	-0.03	-0.45	0.79			
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)				
	4	-1.80 (2.56)				
	No. of Anchors Used	Average Difficulty (Std. Dev.)				
	4	-1.80 (2.56)				
	Percentage Anchors	Average Displacement				
100%	-0.11					
Rating Scale Step Measures by Task	Anchored Scale Steps					
	Task	Step			Measure	
	Task 2	1			-3.80	
		2			3.89	
		3	-0.09			
	Task 3/Task 4	1	-2.47			
		2	-2.78			
		3	-2.61			
		4	-1.68			
		5	-0.48			
		6	0.97			
		7	2.25			
	8	3.21				
9	3.59					
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty		
	Item ID	Task Difficulty	Displacement	Item ID	Task Difficulty	Displacement
	14246	-1.36	-0.45	14245	-5.53	0.00
	14247	-0.03	-0.02	14246	-1.36	-0.45
	14245	-5.53	0.00	14248	-0.27	0.02
	14248	-0.27	0.02	14247	-0.03	-0.02

* No equating was performed for the previous series (S400).

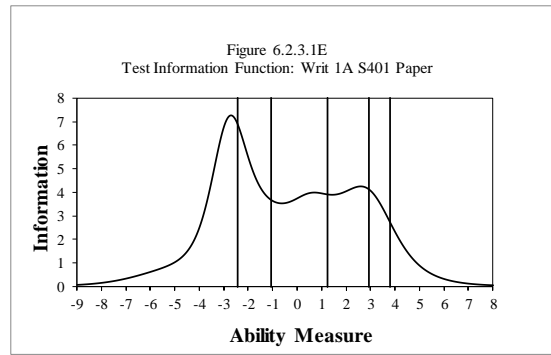
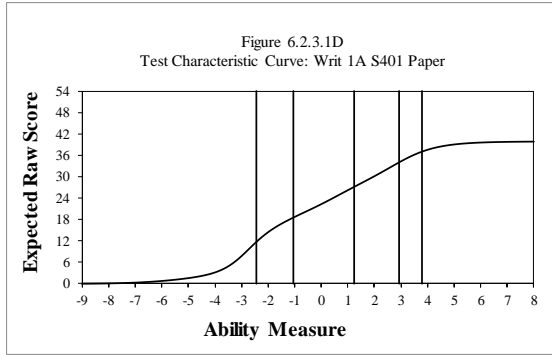


Table 6.2.3.1F

Reliability: Writ 1A S401 Paper

Reliability	No. of Students	No. of Tasks	Cronbach's Alpha		SEM
		28,106	4	0.874	
Interrater Reliability	Task	No. in Sample	%AG	%AD	%NA
	1	13,068	100	0	0
	2	17,038	100	0	0
	3	18,922	98	2	0
	4	16,808	97	3	0

Table 6.2.3.1G

Complete Task Analysis and Summary: Writ 1A S401 Paper

Task Type	Average Task Difficulty (in logits)	No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square	
Constructed Response	-1.80	4	0.73	1.52	
Name	Task Difficulty (in logits)	Anchored ?	Fit Statistics		
			Infit Mnsq	Outfit Mnsq	
1.W01A_14245_Slp1_PartAH8_202_P100_A302_S401_Paper	-5.53	Yes	1.39	4.58	
2.W01A_14246_Slp1_CentersPartB_202_P100_A302_S401_Paper	-1.36	Yes	0.70	0.65	
3.W01A_14247_Slp2_CentersPartC_202_P100_A302_S401_Paper	-0.03	Yes	0.72	0.76	
4.W01A_14248_Slp3_PartDSentencesAboutMe_P100_A302_S401_Paper	-0.27	Yes	0.10	0.10	
Raw Score Distribution by Task	Raw Score	Task 1	Task 2	Task 3	Task 4
	0	3.30%	11.80%	17.30%	13.20%
	1	96.70%	87.10%	11.80%	9.20%
	2	0.00%	0.60%	13.40%	14.00%
	3	0.00%	0.50%	28.90%	19.50%
	4	0.00%	0.00%	27.40%	39.80%
	5	0.00%	0.00%	1.10%	3.90%
	6	0.00%	0.00%	0.10%	0.40%
	7	0.00%	0.00%	0.00%	0.00%
	8	0.00%	0.00%	0.00%	0.00%
9	0.00%	0.00%	0.00%	0.00%	

Table 6.2.3.1H

DIF Analysis and Summary: Writ 1A S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	2	2	1	3
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.W01A_14245_Slp1_PartAH8_202_P100_A302_S401_Paper	AA	M	AA	O
2.W01A_14246_Slp1_CentersPartB_202_P100_A302_S401_Paper	AA	F	AA	O
3.W01A_14247_Slp2_CentersPartC_202_P100_A302_S401_Paper	AA	F	AA	O
4.W01A_14248_Slp3_PartDSentencesAboutMe_P100_A302_S401_Paper	AA	M	AA	H

Table 6.2.3.1I

Raw Score to Scale Score Conversion: Writ 1A S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound	Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	111^	49.94	100.00^	157.94	34	381	13.21	367.79	394.21
1	148	32.25	115.75	180.25	35	387	13.64	373.36	400.64
2	177	23.74	153.26	200.74	36	395	14.47	380.53	409.47
3	193	17.86	175.14	210.86	37	403	16.00	387.00	419.00
4	202	14.47	187.53	216.47	38	414	18.98	395.02	432.98
5	209	12.54	196.46	221.54	39	433	26.42	406.58	459.42
6	214	11.38	202.62	225.38	40	464	48.52	415.48	512.52
7	219	10.66	208.34	229.66					
8	223	10.23	212.77	233.23					
9	227	10.02	216.98	237.02					
10	231	9.96	221.04	240.96					
11	234	10.07	223.93	244.07					
12	238	10.31	227.69	248.31					
13	242	10.69	231.31	252.69					
14	247	11.20	235.80	258.20					
15	252	11.84	240.16	263.84					
16	257	12.54	244.46	269.54					
17	263	13.21	249.79	276.21					
18	270	13.80	256.20	283.80					
19	277	14.18	262.82	291.18					
20	285	14.31	270.69	299.31					
21	293	14.23	278.77	307.23					
22	300	13.99	286.01	313.99					
23	307	13.72	293.28	320.72					
24	314	13.53	300.47	327.53					
25	321	13.45	307.55	334.45					
26	328	13.48	314.52	341.48					
27	334	13.59	320.41	347.59					
28	341	13.61	327.39	354.61					
29	348	13.56	334.44	361.56					
30	355	13.40	341.60	368.40					
31	362	13.21	348.79	375.21					
32	368	13.08	354.92	381.08					
33	374	13.05	360.95	387.05					

^ Truncated

Table 6.2.3.1J

Raw Score to Proficiency Level Conversion: Writ 1A S401 Paper

Raw Score	Grade 1	
	Proficiency Level Score	% of Students
0	1.0	0.5
1	1.2	5.3
2	1.5	4.3
3	1.6	1.9
4	1.7	2.5
5	1.7	3.1
6	1.8	2.6
7	1.8	1.9
8	1.8	2.4
9	1.9	2.9
10	1.9	2.9
11	1.9	4.6
12	2.0	4.1
13	2.1	3.4
14	2.2	8.7
15	2.3	7.8
16	2.5	5.3
17	2.6	15.0
18	2.8	15.6
19	3.0	1.2
20	3.1	1.3
21	3.2	2.0
22	3.4	0.2
23	3.5	0.1
24	3.6	0.2
25	3.7	0.0
26	3.8	0.0
27	3.9	0.0
28	4.0	0.0
29	4.2	0.0
30	4.4	0.0
31	4.5	0.0
32	4.6	0.0
33	4.8	0.0
34	4.9	0.0
35	5.2	0.0
36	5.5	0.0
37	5.9	0.0
38	6.0	0.0
39	6.0	0.0
40	6.0	0.0

6.2.3.2 Writing 1B

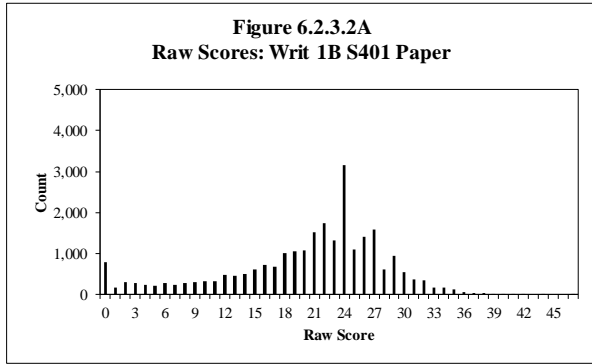


Table 6.2.3.2A

Raw Score Descriptive Statistics: Writ 1B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	25,574	0	47	20.23	7.98

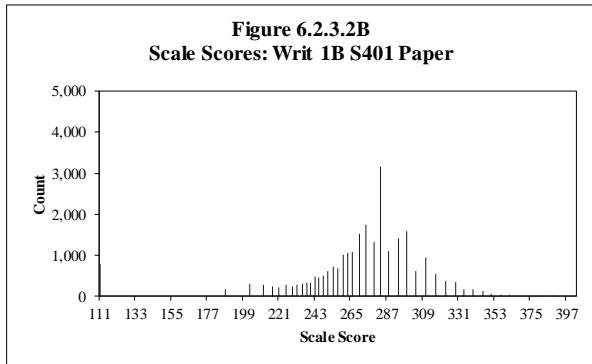


Table 6.2.3.2B

Scale Score Descriptive Statistics: Writ 1B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	25,574	111	403	269.23	39.91

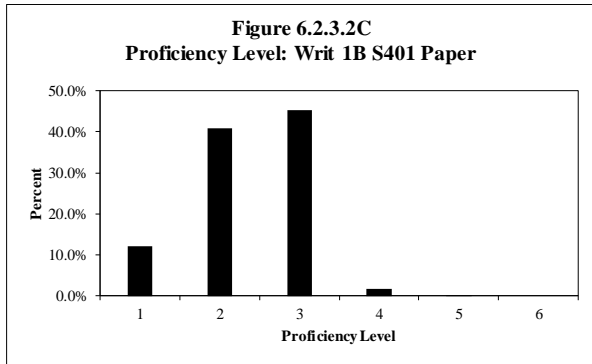


Table 6.2.3.2C

Proficiency Level Distribution: Writ 1B S401 Paper

Level	Count	Percent
1	3,093	12.1%
2	10,465	40.9%
3	11,576	45.3%
4	438	1.7%
5	2	0.0%
6	0	0.0%
Total	25,574	100.0%

Table 6.2.3.2D
Scaling Equation for Writing

Writing Scale Score = (Ability Measure in Logits*26.851) + 303.332

Table 6.2.3.2E
Equating Summary: Writ 1B S401 Paper

Comparison of Forms*	Form 401		Form 400			
	No. of Tasks	Average Difficulty (Std. Dev.)	No. of Tasks	Average Difficulty (Std. Dev.)		
	3	0.35 (0.29)	3	-0.11 (0.41)		
	Easiest	Hardest	Easiest	Hardest		
0.01	0.52	-0.58	0.16			
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)				
	2	0.52 (0.00)				
	No. of Anchors Used	Average Difficulty (Std. Dev.)				
	2	0.52 (0.00)				
Percentage Anchors	Average Displacement					
67%	0.03					
Common Rating Scale Step Measures	Anchored Scale Steps					
	Step	Measure				
	1	-2.47				
	2	-2.78				
	3	-2.61				
	4	-1.68				
	5	-0.48				
	6	0.97				
	7	2.25				
	8	3.21				
9	3.59					
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty		
	Item ID	Task Difficulty	Displacement	Item ID	Task Difficulty	Displacement
	14242	0.52	-0.06	14241	0.52	0.13
	14241	0.52	0.13	14242	0.52	-0.06

* No equating was performed for the previous series (S400).
Note that the test form is shared between 1B and 1C.

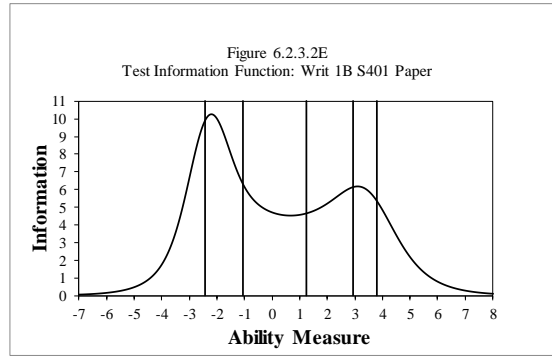
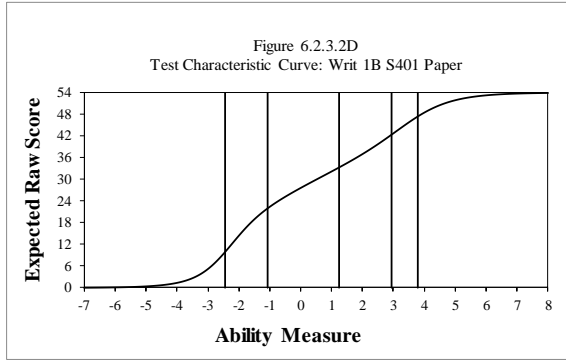


Table 6.2.3.2F

Reliability: Writ 1B S401 Paper

Reliability	No. of Students	No. of Tasks	Cronbach's Alpha		SEM
		43,199	3	0.937	
Interrater Reliability	Task	No. in Sample	%AG	%AD	%NA
	1	20,670	97	3	0
	2	23,338	96	4	0
	3	21,640	96	4	0

Note that the test form is shared between 1B and 1C.

Table 6.2.3.2G

Complete Task Analysis and Summary: Writ 1B S401 Paper

Task Type	Average Task Difficulty (in logits)	No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square
Constructed Response	0.35	3	0.58	0.60
Name	Task Difficulty (in logits)	Anchored?	Fit Statistics	
			Infit Mnsq	Outfit Mnsq
1.W01BC_14241_SIp4_Centers_P100_S401_Paper	0.52	Yes	0.83	0.92
2.W01BC_14242_MSp4_Frogs_sakr_P100_A203_S401_Paper	0.52	Yes	0.58	0.56
3.W01BC_14595_ITp5_BikeRide_V2_401_S401_Paper	0.01		0.33	0.32
Raw Score Distribution by Task	Raw Score	Task 1	Task 2	Task 3
	0	3.80%	7.60%	5.50%
	1	2.80%	4.40%	3.40%
	2	10.30%	9.30%	7.80%
	3	19.50%	18.20%	13.70%
	4	53.60%	37.10%	39.60%
	5	8.50%	16.80%	21.70%
	6	1.30%	5.60%	7.30%
	7	0.20%	0.80%	1.00%
	8	0.00%	0.10%	0.10%
9	0.00%	0.00%	0.00%	

Note that the test form is shared between 1B and 1C.

Table 6.2.3.2H

DIF Analysis and Summary: Writ 1B S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	1	2	2	1
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.W01BC_14241_SIp4_Centers_P100_S401_Paper	AA	F	AA	O
2.W01BC_14242_MSp4_Frogs_sakr_P100_A203_S401_Paper	AA	M	AA	H
3.W01BC_14595_ITp5_BikeRide_V2_401_S401_Paper	AA	F	AA	H

Note that the test form is shared between 1B and 1C.

Table 6.2.3.2I

Raw Score to Scale Score Conversion: Writ 1B S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound	Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	111^	126.20	100.00^	286.20	34	340	12.35	327.65	352.35
1	188	24.30	163.70	212.30	35	346	12.19	333.81	358.19
2	203	16.57	186.43	219.57	36	351	11.98	339.02	362.98
3	211	13.40	197.60	224.40	37	357	11.76	345.24	368.76
4	217	11.65	205.35	228.65	38	362	11.55	350.45	373.55
5	221	10.55	210.45	231.55	39	366	11.33	354.67	377.33
6	225	9.83	215.17	234.83	40	371	11.14	359.86	382.14
7	229	9.32	219.68	238.32	41	376	10.98	365.02	386.98
8	232	8.97	223.03	240.97	42	380	10.87	369.13	390.87
9	235	8.70	226.30	243.70	43	385	10.82	374.18	395.82
10	238	8.54	229.46	246.54	44	389	10.85	378.15	399.85
11	240	8.43	231.57	248.43	45	393	10.93	382.07	403.93
12	243	8.40	234.60	251.40	46	398	11.12	386.88	409.12
13	245	8.40	236.60	253.40	47	403	11.44	391.56	414.44
14	248	8.46	239.54	256.46	48	408	11.95	396.05	419.95
15	251	8.57	242.43	259.57	49	413	12.67	400.33	425.67
16	254	8.73	245.27	262.73	50	420	13.77	406.23	433.77
17	257	8.94	248.06	265.94	51	428	15.57	412.43	443.57
18	260	9.21	250.79	269.21	52	438	18.77	419.23	456.77
19	263	9.53	253.47	272.53	53	457	26.42	430.58	483.42
20	266	9.91	256.09	275.91	54	488	48.63	439.37	536.63
21	270	10.28	259.72	280.28					
22	274	10.69	263.31	284.69					
23	279	11.09	267.91	290.09					
24	283	11.47	271.53	294.47					
25	288	11.79	276.21	299.79					
26	294	12.06	281.94	306.06					
27	299	12.30	286.70	311.30					
28	305	12.46	292.54	317.46					
29	311	12.57	298.43	323.57					
30	317	12.62	304.38	329.62					
31	323	12.62	310.38	335.62					
32	329	12.59	316.41	341.59					
33	334	12.49	321.51	346.49					

^ Truncated

Note that the test form is shared between 1B and 1C.

Table 6.2.3.2J

Raw Score to Proficiency Level Conversion: Writ 1B \$401 Paper

Raw Score	Grade 1	
	Proficiency Level Score	% of Students
0	1.0	3.1
1	1.6	0.7
2	1.7	1.2
3	1.7	1.1
4	1.8	0.9
5	1.8	0.8
6	1.8	1.1
7	1.9	0.9
8	1.9	1.1
9	1.9	1.2
10	2.0	1.3
11	2.0	1.2
12	2.1	1.9
13	2.1	1.8
14	2.2	2.0
15	2.3	2.4
16	2.4	2.8
17	2.5	2.6
18	2.5	4.0
19	2.6	4.1
20	2.7	4.2
21	2.8	5.9
22	2.9	6.8
23	3.0	5.2
24	3.1	12.4
25	3.2	4.3
26	3.3	5.5
27	3.3	6.2
28	3.4	2.4
29	3.5	3.7
30	3.6	2.2
31	3.7	1.4
32	3.8	1.3
33	3.9	0.7
34	4.0	0.7
35	4.2	0.5
36	4.3	0.2
37	4.4	0.1
38	4.5	0.1
39	4.6	0.1
40	4.7	0.1
41	4.8	0.0
42	4.9	0.0
43	5.1	0.0
44	5.3	0.0
45	5.4	0.0
46	5.6	0.0
47	5.9	0.0
48	6.0	0.0
49	6.0	0.0
50	6.0	0.0
51	6.0	0.0
52	6.0	0.0
53	6.0	0.0
54	6.0	0.0

Note that the test form is shared between 1B and 1C.

6.2.3.3 Writing 1C

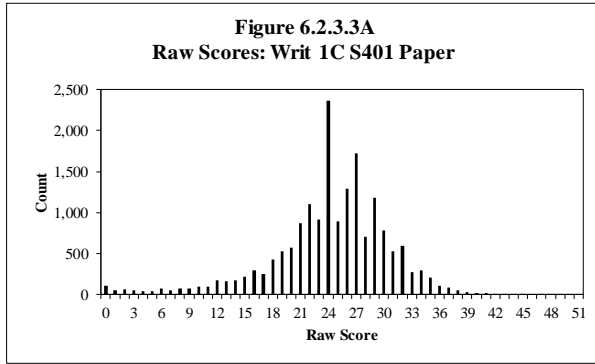


Table 6.2.3.3A

Raw Score Descriptive Statistics: Writ 1C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	17,625	0	53	24.18	6.42

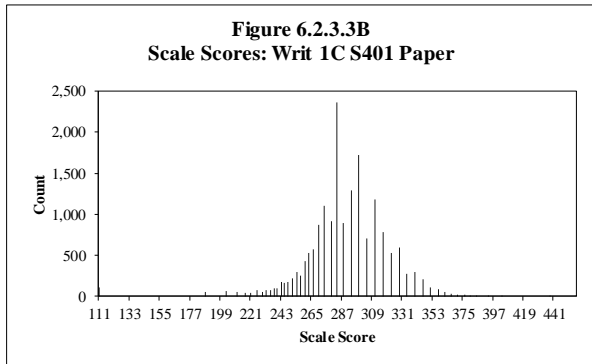


Table 6.2.3.3B

Scale Score Descriptive Statistics: Writ 1C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	17,625	111	457	287.71	30.86

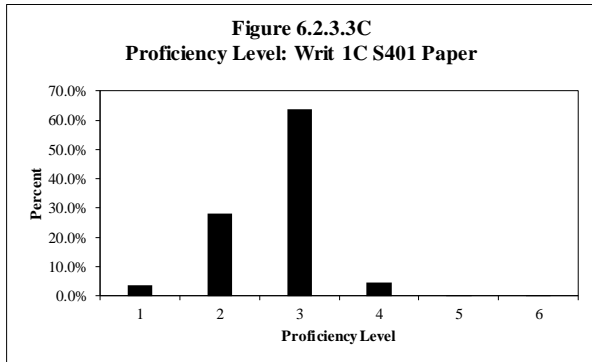


Table 6.2.3.3C

Proficiency Level Distribution: Writ 1C S401 Paper

Level	Count	Percent
1	608	3.4%
2	4,968	28.2%
3	11,232	63.7%
4	804	4.6%
5	11	0.1%
6	2	0.0%
Total	17,625	100.0%

Table 6.2.3.3D
Scaling Equation for Writing

Writing Scale Score = (Ability Measure in Logits*26.851) + 303.332

Table 6.2.3.3E
Equating Summary: Writ 1C S401 Paper

Comparison of Forms*	Form 401		Form 400			
	No. of Tasks	Average Difficulty (Std. Dev.)	No. of Tasks	Average Difficulty (Std. Dev.)		
	3	0.35 (0.29)	3	-0.11 (0.41)		
	Easiest	Hardest	Easiest	Hardest		
0.01	0.52	-0.58	0.16			
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)				
	2	0.52 (0.00)				
	No. of Anchors Used	Average Difficulty (Std. Dev.)				
	2	0.52 (0.00)				
	Percentage Anchors	Average Displacement				
67%	0.03					
Common Rating Scale Step Measures	Anchored Scale Steps					
	Step	Measure				
	1	-2.47				
	2	-2.78				
	3	-2.61				
	4	-1.68				
	5	-0.48				
	6	0.97				
	7	2.25				
	8	3.21				
9	3.59					
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty		
	Item ID	Task Difficulty	Displacement	Item ID	Task Difficulty	Displacement
	14242	0.52	-0.06	14241	0.52	0.13
	14241	0.52	0.13	14242	0.52	-0.06

* No equating was performed for the previous series (S400).

Note that the test form is shared between 1B and 1C.

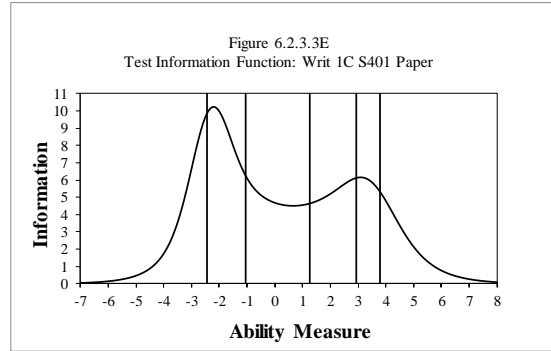
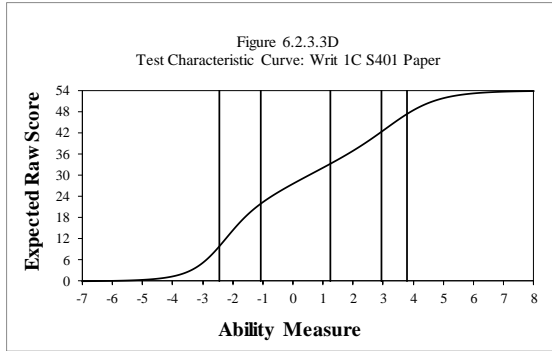


Table 6.2.3.3F

Reliability: Writ 1C S401 Paper

Reliability	No. of Students	No. of Tasks	Cronbach's Alpha		SEM
		43,199	3	0.937	
Interrater Reliability	Task	No. in Sample	%AG	%AD	%NA
	1	20,670	97	3	0
	2	23,338	96	4	0
	3	21,640	96	4	0

Note that the test form is shared between 1B and 1C.

Table 6.2.3.3G

Complete Task Analysis and Summary: Writ 1C S401 Paper

Task Type	Average Task Difficulty (in logits)	No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square
Constructed Response	0.35	3	0.58	0.60
Name	Task Difficulty (in logits)	Anchored?	Fit Statistics	
			Infit Mnsq	Outfit Mnsq
1.W01BC_14241_SIp4_Centers_P100_S401_Paper	0.52	Yes	0.83	0.92
2.W01BC_14242_MSp4_Frogs_sakr_P100_A203_S401_Paper	0.52	Yes	0.58	0.56
3.W01BC_14595_ITp5_BikeRide_V2_401_S401_Paper	0.01		0.33	0.32
Raw Score Distribution by Task	Raw Score	Task 1	Task 2	Task 3
	0	3.80%	7.60%	5.50%
	1	2.80%	4.40%	3.40%
	2	10.30%	9.30%	7.80%
	3	19.50%	18.20%	13.70%
	4	53.60%	37.10%	39.60%
	5	8.50%	16.80%	21.70%
	6	1.30%	5.60%	7.30%
	7	0.20%	0.80%	1.00%
	8	0.00%	0.10%	0.10%
9	0.00%	0.00%	0.00%	

Note that the test form is shared between 1B and 1C.

Table 6.2.3.3H

DIF Analysis and Summary: Writ 1C S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	1	2	2	1
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.W01BC_14241_SIp4_Centers_P100_S401_Paper	AA	F	AA	O
2.W01BC_14242_MSp4_Frogs_sakr_P100_A203_S401_Paper	AA	M	AA	H
3.W01BC_14595_ITp5_BikeRide_V2_401_S401_Paper	AA	F	AA	H

Note that the test form is shared between 1B and 1C.

Table 6.2.3.3I

Raw Score to Scale Score Conversion: Writ 1C S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound	Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	111^	126.20	100.00^	286.20	34	340	12.35	327.65	352.35
1	188	24.30	163.70	212.30	35	346	12.19	333.81	358.19
2	203	16.57	186.43	219.57	36	351	11.98	339.02	362.98
3	211	13.40	197.60	224.40	37	357	11.76	345.24	368.76
4	217	11.65	205.35	228.65	38	362	11.55	350.45	373.55
5	221	10.55	210.45	231.55	39	366	11.33	354.67	377.33
6	225	9.83	215.17	234.83	40	371	11.14	359.86	382.14
7	229	9.32	219.68	238.32	41	376	10.98	365.02	386.98
8	232	8.97	223.03	240.97	42	380	10.87	369.13	390.87
9	235	8.70	226.30	243.70	43	385	10.82	374.18	395.82
10	238	8.54	229.46	246.54	44	389	10.85	378.15	399.85
11	240	8.43	231.57	248.43	45	393	10.93	382.07	403.93
12	243	8.40	234.60	251.40	46	398	11.12	386.88	409.12
13	245	8.40	236.60	253.40	47	403	11.44	391.56	414.44
14	248	8.46	239.54	256.46	48	408	11.95	396.05	419.95
15	251	8.57	242.43	259.57	49	413	12.67	400.33	425.67
16	254	8.73	245.27	262.73	50	420	13.77	406.23	433.77
17	257	8.94	248.06	265.94	51	428	15.57	412.43	443.57
18	260	9.21	250.79	269.21	52	438	18.77	419.23	456.77
19	263	9.53	253.47	272.53	53	457	26.42	430.58	483.42
20	266	9.91	256.09	275.91	54	488	48.63	439.37	536.63
21	270	10.28	259.72	280.28					
22	274	10.69	263.31	284.69					
23	279	11.09	267.91	290.09					
24	283	11.47	271.53	294.47					
25	288	11.79	276.21	299.79					
26	294	12.06	281.94	306.06					
27	299	12.30	286.70	311.30					
28	305	12.46	292.54	317.46					
29	311	12.57	298.43	323.57					
30	317	12.62	304.38	329.62					
31	323	12.62	310.38	335.62					
32	329	12.59	316.41	341.59					
33	334	12.49	321.51	346.49					

^ Truncated

Note that the test form is shared between 1B and 1C.

Table 6.2.3.3J

Raw Score to Proficiency Level Conversion: Writ 1C S401 Paper

Raw Score	Grade 1	
	Proficiency Level Score	% of Students
0	1.0	0.6
1	1.6	0.3
2	1.7	0.3
3	1.7	0.3
4	1.8	0.2
5	1.8	0.2
6	1.8	0.4
7	1.9	0.3
8	1.9	0.4
9	1.9	0.4
10	2.0	0.5
11	2.0	0.6
12	2.1	1.0
13	2.1	0.9
14	2.2	1.0
15	2.3	1.2
16	2.4	1.7
17	2.5	1.4
18	2.5	2.4
19	2.6	3.0
20	2.7	3.2
21	2.8	5.0
22	2.9	6.3
23	3.0	5.2
24	3.1	13.4
25	3.2	5.0
26	3.3	7.4
27	3.3	9.8
28	3.4	4.0
29	3.5	6.7
30	3.6	4.4
31	3.7	3.0
32	3.8	3.3
33	3.9	1.5
34	4.0	1.7
35	4.2	1.2
36	4.3	0.6
37	4.4	0.5
38	4.5	0.3
39	4.6	0.2
40	4.7	0.1
41	4.8	0.1
42	4.9	0.0
43	5.1	0.0
44	5.3	0.0
45	5.4	0.0
46	5.6	0.0
47	5.9	0.0
48	6.0	0.0
49	6.0	0.0
50	6.0	0.0
51	6.0	0.0
52	6.0	0.0
53	6.0	0.0
54	6.0	0.0

Note that the test form is shared between 1B and 1C.

6.2.4 Speaking 1

6.2.4.1 Speaking 1A

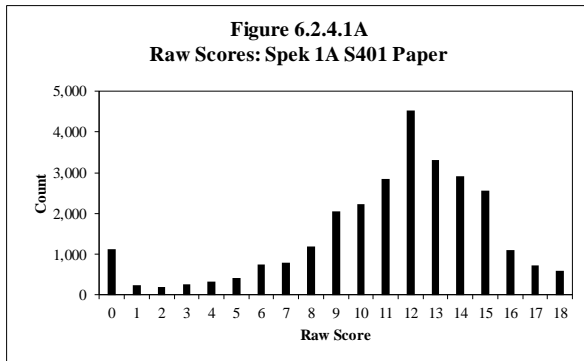


Table 6.2.4.1A

Raw Score Descriptive Statistics: Spek 1A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	28,111	0	18	11.15	3.96

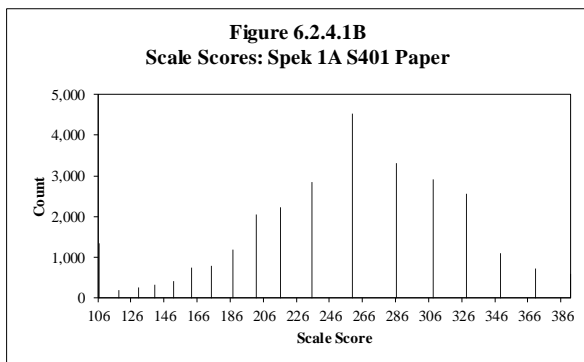


Table 6.2.4.1B

Scale Score Descriptive Statistics: Spek 1A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	28,111	106	391	252.26	67.74

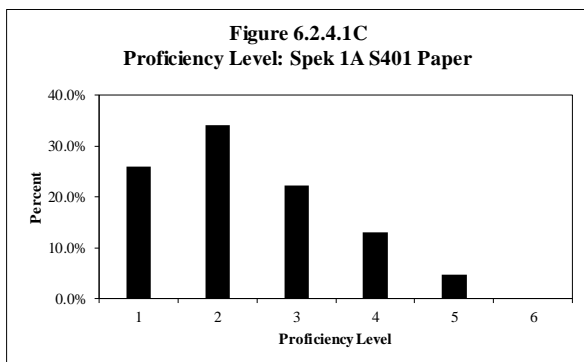


Table 6.2.4.1C

Proficiency Level Distribution: Spek 1A S401 Paper

Level	Count	Percent
1	7,285	25.9%
2	9,608	34.2%
3	6,242	22.2%
4	3,659	13.0%
5	1,317	4.7%
6	0	0.0%
Total	28,111	100.0%

Table 6.2.4.1D
Scaling Equation for Speaking

Speaking Scale Score = (Ability Measure in Logits*29.248) + 265.076
--

Table 6.2.4.1E
Equating Summary: Spek 1A S401 Paper

Comparison of Forms*	Form 401			Form 400		
	No. of Tasks	Average Difficulty (Std. Dev.)		No. of Tasks	Average Difficulty (Std. Dev.)	
	9	-1.37 (2.30)		10	0.00 (2.78)	
	Easiest	Hardest		Easiest	Hardest	
-4.50	0.81		-4.04	2.32		
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)				
	9	-1.37 (2.30)				
	No. of Anchors Used	Average Difficulty (Std. Dev.)				
	6	0.15 (0.34)				
	Percentage Anchors	Average Displacement				
67%	0.00					
Rating Scale Step Measures by Task	Anchored Scale Steps					
	Task	Step	Measure			
	PL 1 Tasks	1	0.56			
		2	-0.56			
	PL 3/PL 5 Tasks	1	-2.65			
		2	-1.80			
		3	1.46			
4		2.98				
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty		
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement
	14608	0.81	-0.38	14603	-0.14	0.33
	14607	-0.07	-0.19	14607	-0.07	-0.19
	14611	0.02	-0.05	14611	0.02	-0.05
	14612	0.15	0.02	14604	0.11	0.27
	14604	0.11	0.27	14612	0.15	0.02
	14603	-0.14	0.33	14608	0.81	-0.38

* No equating was performed for the previous series (S400).
Note that this table includes all tasks across tiers for this cluster.

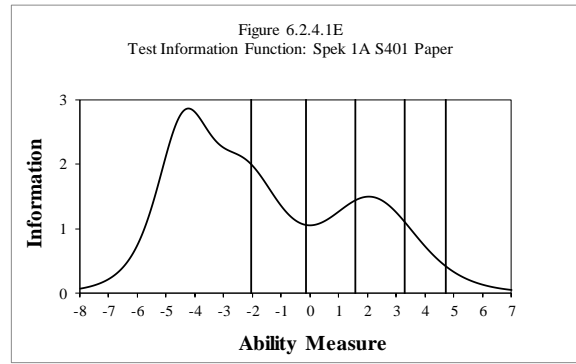
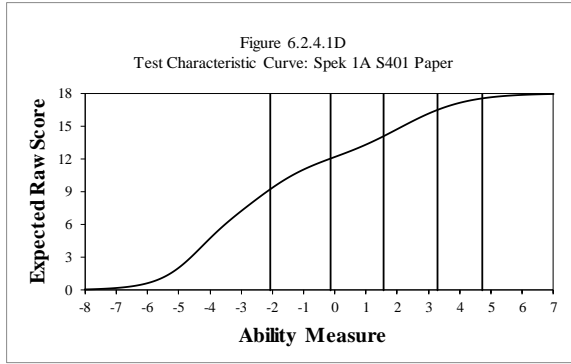


Table 6.2.4.1F
Reliability: Spek 1A S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
28,111	6	0.880	1.372

Table 6.2.4.1G

Complete Task Analysis and Summary: Spek 1A S401 Paper

Task Type	Average Task Difficulty (in logits)	No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square		
Constructed Response	-1.37	12	0.63	0.63		
Name	Tier	Task Difficulty (in logits)	Anchored?	Fit Statistics		
				Infit Mnsq	Outfit Mnsq	
1.S01A_SI_ClassroomDesk_401_V1_14494_P1	A	-4.43		0.69	0.68	
2.S01A_SI_ClassroomDesk_401_V1_14495_P3	A*	-0.14	Yes	0.67	0.69	
3.S01C_SI_ClassroomDesk_401_V1_14603_P3	B/C*	-0.14	Yes	0.67	0.69	
4.S01C_SI_ClassroomDesk_401_V2_14604_P5	B/C	0.11	Yes	0.57	0.59	
5.S01A_LA_Librarian_P100_A203_ALT_13979_P1_401	A	-4.32		0.60	0.62	
6.S01A_LA_Librarian_P100_A203_ALT_13980_P3_401	A*	0.02	Yes	0.58	0.60	
7.S01C_LA_Librarian_P100_A203_ALT_14611_P3_401	B/C*	0.02	Yes	0.58	0.60	
8.S01C_LS_Librarian_401_14612_P5	B/C	0.15	Yes	0.62	0.64	
9.S01A_MS_ParkAdventure_401_14609_P1	A	-4.50		0.59	0.52	
10.S01A_MS_ParkAdventure_401_14610_P3	A*	-0.07	Yes	0.66	0.67	
11.S01C_MS_ParkAdventure_401_14607_P3	B/C*	-0.07	Yes	0.66	0.67	
12.S01C_MS_ParkAdventure_401_V2_14608_P5	B/C	0.81	Yes	0.67	0.69	
Raw Score Distribution by Task	Task	Raw Score				
		0	1	2	3	4
	Task 1	6.49%	10.22%	83.30%	N/A	N/A
	Task 2	4.41%	14.05%	38.93%	31.68%	10.93%
	Task 3	4.41%	14.05%	38.93%	31.68%	10.93%
	Task 4	1.21%	8.95%	39.30%	37.24%	13.31%
	Task 5	6.52%	10.99%	82.48%	N/A	N/A
	Task 6	4.73%	15.26%	40.59%	29.59%	9.83%
	Task 7	4.73%	15.26%	40.59%	29.59%	9.83%
	Task 8	1.71%	11.37%	34.69%	36.34%	15.89%
	Task 9	6.08%	8.46%	85.46%	N/A	N/A
	Task 10	5.00%	16.14%	32.91%	31.45%	14.51%
	Task 11	5.00%	16.14%	32.91%	31.45%	14.51%
Task 12	2.34%	14.57%	38.41%	31.87%	12.81%	

* Task is shared between A and B/C.

Note that this table includes all tasks across tiers for this cluster.

Table 6.2.4.1H

DIF Analysis and Summary: Spek 1A S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
DIF Level	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	3	3	3	3
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.S01A_14494_Slp1_ClassroomDesk_401_V1_S401_Paper	AA	M	AA	O
2.S01A_14495_Slp3_ClassroomDesk_401_V1_S401_Paper	AA	M	AA	O
3.S01A_13979_LAp1_Librarian_P100_A203_ALT_S401_Paper	AA	F	AA	H
4.S01A_13980_LAp3_Librarian_P100_A203_ALT_S401_Paper	AA	F	AA	H
5.S01A_14609_MSp1_ParkAdventure_401_S401_Paper	AA	F	AA	O
6.S01A_14610_MSp3_ParkAdventure_401_S401_Paper	AA	M	AA	H

Table 6.2.4.11

Raw Score to Scale Score Conversion: Spek 1A S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	106^	23.98	100.00^	100.00^
1	106^	23.98	100.00^	123.98
2	118	19.89	100.00^	137.89
3	130	17.84	112.16	147.84
4	140	17.26	122.74	157.26
5	151	17.55	133.45	168.55
6	162	18.43	143.57	180.43
7	174	19.30	154.70	193.30
8	187	19.89	167.11	206.89
9	201	20.47	180.53	221.47
10	216	21.94	194.06	237.94
11	235	25.15	209.85	260.15
12	259	28.37	230.63	287.37
13	286	26.91	259.09	312.91
14	308	24.57	283.43	332.57
15	328	23.98	304.02	351.98
16	349	25.74	323.26	374.74
17	370*	30.42	345.58	406.42
18	391*	38.61	376.39	453.61

^ Truncated

* Adjusted for end of scale effect

Table 6.2.4.1J

Raw Score to Proficiency Level Conversion: Spek 1A S401 Paper

Raw Score	Grade 1	
	Proficiency Level Score	% of Students
0	1.0	4.0
1	1.0	0.8
2	1.1	0.7
3	1.2	0.9
4	1.3	1.1
5	1.4	1.5
6	1.5	2.7
7	1.6	2.8
8	1.8	4.2
9	1.9	7.3
10	2.1	7.9
11	2.5	10.1
12	2.9	16.1
13	3.5	11.8
14	3.9	10.4
15	4.3	9.1
16	4.7	3.9
17	5.2	2.6
18	5.7	2.1

6.2.4.2 Speaking 1B

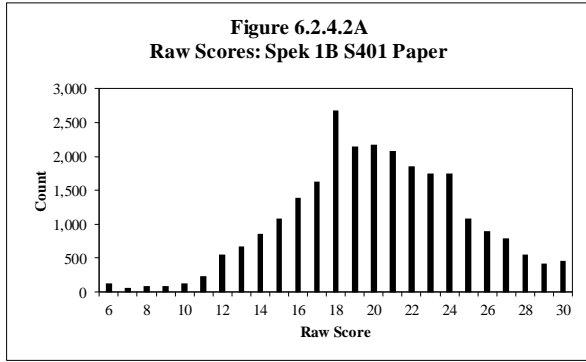


Table 6.2.4.2A

Raw Score Descriptive Statistics: Spek 1B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	25,566	6	30	20.05	4.57

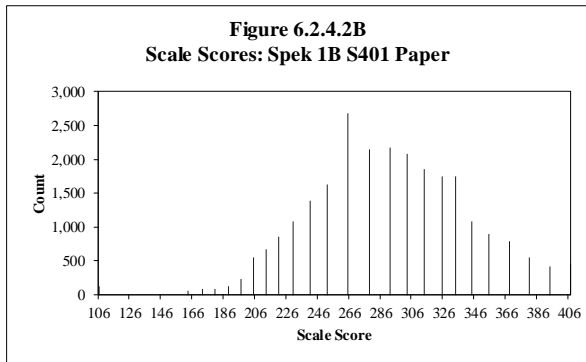


Table 6.2.4.2B

Scale Score Descriptive Statistics: Spek 1B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	25,566	106	407	290.32	51.89

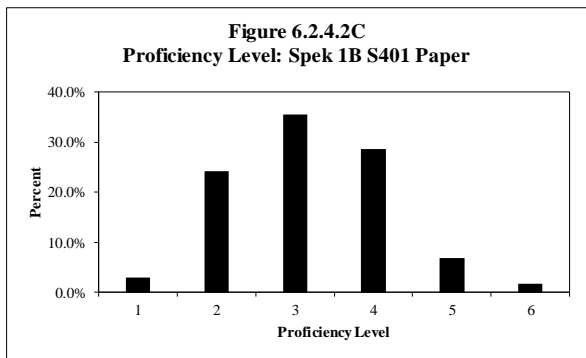


Table 6.2.4.2C

Proficiency Level Distribution: Spek 1B S401 Paper

Level	Count	Percent
1	732	2.9%
2	6,194	24.2%
3	9,093	35.6%
4	7,326	28.7%
5	1,767	6.9%
6	454	1.8%
Total	25,566	100.0%

Table 6.2.4.2D

Scaling Equation for Speaking

Speaking Scale Score = (Ability Measure in Logits*29.248) + 265.076
--

Table 6.2.4.2E

Equating Summary: Spek 1B S401 Paper

Comparison of Forms*	Form 401			Form 400				
	No. of Tasks	Average Difficulty (Std. Dev.)		No. of Tasks	Average Difficulty (Std. Dev.)			
	9	-1.37 (2.30)		10	0.00 (2.78)			
	Easiest	Hardest		Easiest	Hardest			
-4.50	0.81		-4.04	2.32				
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)						
	9	-1.37 (2.30)						
	No. of Anchors Used	Average Difficulty (Std. Dev.)						
	6	0.15 (0.34)						
	Percentage Anchors	Average Displacement						
67%	0.00							
Rating Scale Step Measures by Task	Anchored Scale Steps							
	Task	Step	Measure					
	PL 1 Tasks	1	0.56					
		2	-0.56					
	PL 3/PL 5 Tasks	1	-2.65					
		2	-1.80					
		3	1.46					
4		2.98						
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty				
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement		
	14608	0.81	-0.38	14603	-0.14	0.33		
	14607	-0.07	-0.19	14607	-0.07	-0.19		
	14611	0.02	-0.05	14611	0.02	-0.05		
	14612	0.15	0.02	14604	0.11	0.27		
	14604	0.11	0.27	14612	0.15	0.02		
	14603	-0.14	0.33	14608	0.81	-0.38		

* No equating was performed for the previous series (S400).

Note that this table includes all tasks across tiers for this cluster.

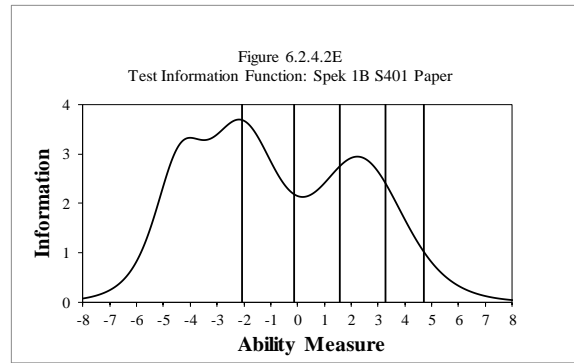
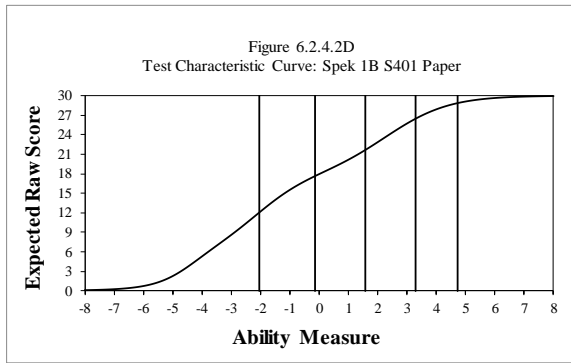


Table 6.2.4.2F

Reliability: Spek 1B S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
43,192	6	0.911	1.378

Note that the test form is shared between 1B and 1C.

Table 6.2.4.2G

Complete Task Analysis and Summary: Spek 1B S401 Paper

Task Type	Average Task Difficulty (in logits)		No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square	
Constructed Response	-1.37		12	0.63	0.63	
Name	Tier	Task Difficulty (in logits)	Anchored?	Fit Statistics		
				Infit Mnsq	Outfit Mnsq	
1.S01A_SL_ClassroomDesk_401_V1_14494_P1	A	-4.43		0.69	0.68	
2.S01A_SL_ClassroomDesk_401_V1_14495_P3	A*	-0.14	Yes	0.67	0.69	
3.S01C_SL_ClassroomDesk_401_V1_14603_P3	B/C*	-0.14	Yes	0.67	0.69	
4.S01C_SL_ClassroomDesk_401_V2_14604_P5	B/C	0.11	Yes	0.57	0.59	
5.S01A_LA_Librarian_P100_A203_ALT_13979_P1_401	A	-4.32		0.60	0.62	
6.S01A_LA_Librarian_P100_A203_ALT_13980_P3_401	A*	0.02	Yes	0.58	0.60	
7.S01C_LA_Librarian_P100_A203_ALT_14611_P3_401	B/C*	0.02	Yes	0.58	0.60	
8.S01C_LS_Librarian_401_14612_P5	B/C	0.15	Yes	0.62	0.64	
9.S01A_MS_ParkAdventure_401_14609_P1	A	-4.50		0.59	0.52	
10.S01A_MS_ParkAdventure_401_14610_P3	A*	-0.07	Yes	0.66	0.67	
11.S01C_MS_ParkAdventure_401_14607_P3	B/C*	-0.07	Yes	0.66	0.67	
12.S01C_MS_ParkAdventure_401_V2_14608_P5	B/C	0.81	Yes	0.67	0.69	
Raw Score Distribution by Task	Task	Raw Score				
		0	1	2	3	4
	Task 1	6.49%	10.22%	83.30%	N/A	N/A
	Task 2	4.41%	14.05%	38.93%	31.68%	10.93%
	Task 3	4.41%	14.05%	38.93%	31.68%	10.93%
	Task 4	1.21%	8.95%	39.30%	37.24%	13.31%
	Task 5	6.52%	10.99%	82.48%	N/A	N/A
	Task 6	4.73%	15.26%	40.59%	29.59%	9.83%
	Task 7	4.73%	15.26%	40.59%	29.59%	9.83%
	Task 8	1.71%	11.37%	34.69%	36.34%	15.89%
	Task 9	6.08%	8.46%	85.46%	N/A	N/A
	Task 10	5.00%	16.14%	32.91%	31.45%	14.51%
	Task 11	5.00%	16.14%	32.91%	31.45%	14.51%
Task 12	2.34%	14.57%	38.41%	31.87%	12.81%	

* Task is shared between A and B/C.

Note that this table includes all tasks across tiers for this cluster.

Table 6.2.4.2H

DIF Analysis and Summary: Spek 1B S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
DIF Level	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	3	3	5	1
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.S01C_14603_Slp3_ClassroomDesk_401_V2_S401_Paper	AA	M	AA	O
2.S01C_14604_Slp5_ClassroomDesk_401_V2_S401_Paper	AA	F	AA	H
3.S01C_14611_LSp3_Librarian_401_S401_Paper	AA	F	AA	H
4.S01C_14612_LSp5_Librarian_401_S401_Paper	AA	F	AA	H
5.S01C_14607_MSp3_Adventure_401_V2_S401_Paper	AA	M	AA	H
6.S01C_14608_MSp5_Adventure_401_V2_S401_Paper	AA	M	AA	H

Note that the test form is shared between 1B and 1C.

Table 6.2.4.2I

Raw Score to Scale Score Conversion: Spek 1B S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
6	106^	23.11	130.89	177.11
7	163	16.09	146.91	179.09
8	172	16.09	155.91	188.09
9	180	15.79	164.21	195.79
10	189	15.50	173.50	204.50
11	197	15.21	181.79	212.21
12	205	15.21	189.79	220.21
13	213	15.50	197.50	228.50
14	221	16.09	204.91	237.09
15	230	16.67	213.33	246.67
16	241	17.84	223.16	258.84
17	252	19.01	232.99	271.01
18	265	19.89	245.11	284.89
19	279	19.89	259.11	298.89
20	292	19.01	272.99	311.01
21	303	18.13	284.87	321.13
22	314	17.55	296.45	331.55
23	325	16.96	308.04	341.96
24	334	16.96	317.04	350.96
25	344	17.55	326.45	361.55
26	355	18.43	336.57	373.43
27	368	19.89	348.11	387.89
28	381*	22.52	360.48	405.52
29	394*	26.03	380.97	433.03
30	407*	31.00	413.00	475.00

^ Truncated

* Adjusted for end of scale effect

Note that the test form is shared between 1B and 1C.

Table 6.2.4.2J

Raw Score to Proficiency Level Conversion: Spek 1B S401 Paper

Raw Score	Grade 1	
	Proficiency Level Score	% of Students
6	1.0	0.5
7	1.5	0.3
8	1.6	0.3
9	1.7	0.3
10	1.8	0.5
11	1.9	0.9
12	2.0	2.2
13	2.1	2.6
14	2.2	3.4
15	2.4	4.3
16	2.6	5.4
17	2.8	6.3
18	3.0	10.5
19	3.3	8.4
20	3.6	8.5
21	3.8	8.2
22	4.0	7.2
23	4.2	6.8
24	4.4	6.8
25	4.6	4.2
26	4.8	3.5
27	5.1	3.1
28	5.4	2.2
29	5.7	1.6
30	6.0	1.8

Note that the test form is shared between 1B and 1C.

6.2.4.3 Speaking 1C

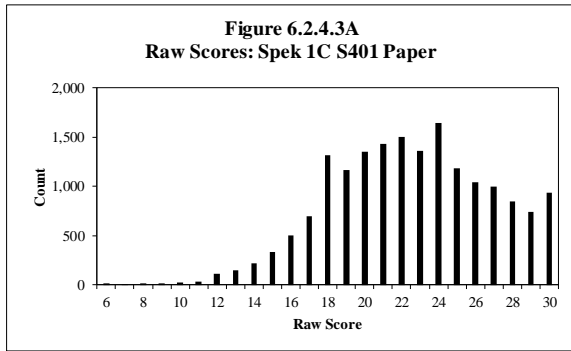


Table 6.2.4.3A

Raw Score Descriptive Statistics: Spek 1C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	17,626	6	30	22.44	4.31

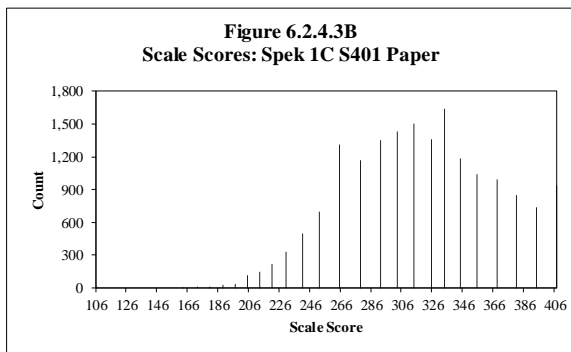


Table 6.2.4.3B

Scale Score Descriptive Statistics: Spek 1C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
1	17,626	106	407	317.54	49.32

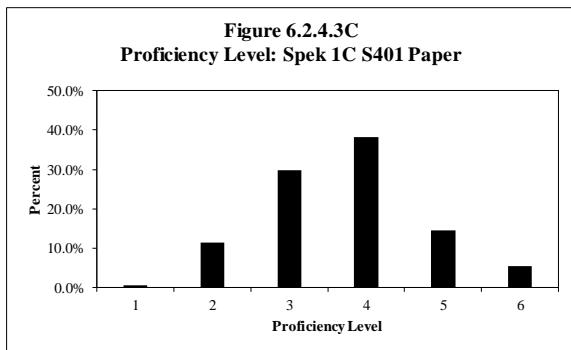


Table 6.2.4.3C

Proficiency Level Distribution: Spek 1C S401 Paper

Level	Count	Percent
1	106	0.6%
2	2,006	11.4%
3	5,264	29.9%
4	6,735	38.2%
5	2,576	14.6%
6	939	5.3%
Total	17,626	100.0%

Table 6.2.4.3D
Scaling Equation for Speaking

Speaking Scale Score = (Ability Measure in Logits*29.248) + 265.076
--

Table 6.2.4.3E
Equating Summary: Spek 1C S401 Paper

Comparison of Forms*	Form 401			Form 400		
	No. of Tasks	Average Difficulty (Std. Dev.)		No. of Tasks	Average Difficulty (Std. Dev.)	
	9	-1.37 (2.30)		10	0.00 (2.78)	
	Easiest	Hardest		Easiest	Hardest	
-4.50	0.81		-4.04	2.32		
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)				
	9	-1.37 (2.30)				
	No. of Anchors Used	Average Difficulty (Std. Dev.)				
	6	0.15 (0.34)				
	Percentage Anchors	Average Displacement				
67%	0.00					
Rating Scale Step Measures by Task	Anchored Scale Steps					
	Task	Step	Measure			
	PL 1 Tasks	1	0.56			
		2	-0.56			
	PL 3/PL 5 Tasks	1	-2.65			
		2	-1.80			
		3	1.46			
4		2.98				
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty		
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement
	14608	0.81	-0.38	14603	-0.14	0.33
	14607	-0.07	-0.19	14607	-0.07	-0.19
	14611	0.02	-0.05	14611	0.02	-0.05
	14612	0.15	0.02	14604	0.11	0.27
	14604	0.11	0.27	14612	0.15	0.02
	14603	-0.14	0.33	14608	0.81	-0.38

* No equating was performed for the previous series (S400).
Note that this table includes all tasks across tiers for this cluster.

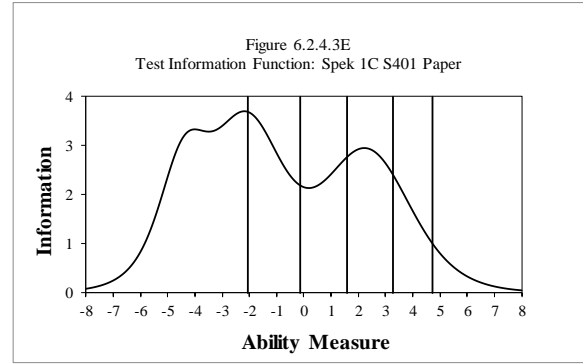
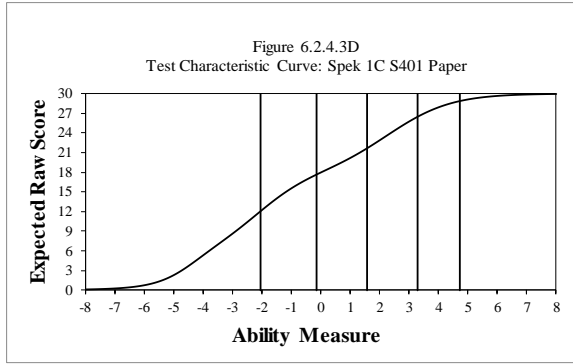


Table 6.2.4.3F

Reliability: Spek 1C S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
43,192	6	0.911	1.378

Note that the test form is shared between 1B and 1C.

Table 6.2.4.3G

Complete Task Analysis and Summary: Spek 1C S401 Paper

Task Type	Average Task Difficulty (in logits)		No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square	
Constructed Response	-1.37		12	0.63	0.63	
Name	Tier	Task Difficulty (in logits)	Anchored?	Fit Statistics		
				Infit Mnsq	Outfit Mnsq	
1.S01A_SI_ClassroomDesk_401_V1_14494_P1	A	-4.43		0.69	0.68	
2.S01A_SI_ClassroomDesk_401_V1_14495_P3	A*	-0.14	Yes	0.67	0.69	
3.S01C_SI_ClassroomDesk_401_V1_14603_P3	B/C*	-0.14	Yes	0.67	0.69	
4.S01C_SI_ClassroomDesk_401_V2_14604_P5	B/C	0.11	Yes	0.57	0.59	
5.S01A_LA_Librarian_P100_A203_ALT_13979_P1_401	A	-4.32		0.60	0.62	
6.S01A_LA_Librarian_P100_A203_ALT_13980_P3_401	A*	0.02	Yes	0.58	0.60	
7.S01C_LA_Librarian_P100_A203_ALT_14611_P3_401	B/C*	0.02	Yes	0.58	0.60	
8.S01C_LS_Librarian_401_14612_P5	B/C	0.15	Yes	0.62	0.64	
9.S01A_MS_ParkAdventure_401_14609_P1	A	-4.50		0.59	0.52	
10.S01A_MS_ParkAdventure_401_14610_P3	A*	-0.07	Yes	0.66	0.67	
11.S01C_MS_ParkAdventure_401_14607_P3	B/C*	-0.07	Yes	0.66	0.67	
12.S01C_MS_ParkAdventure_401_V2_14608_P5	B/C	0.81	Yes	0.67	0.69	
Raw Score Distribution by Task	Task	Raw Score				
		0	1	2	3	4
	Task 1	6.49%	10.22%	83.30%	N/A	N/A
	Task 2	4.41%	14.05%	38.93%	31.68%	10.93%
	Task 3	4.41%	14.05%	38.93%	31.68%	10.93%
	Task 4	1.21%	8.95%	39.30%	37.24%	13.31%
	Task 5	6.52%	10.99%	82.48%	N/A	N/A
	Task 6	4.73%	15.26%	40.59%	29.59%	9.83%
	Task 7	4.73%	15.26%	40.59%	29.59%	9.83%
	Task 8	1.71%	11.37%	34.69%	36.34%	15.89%
	Task 9	6.08%	8.46%	85.46%	N/A	N/A
	Task 10	5.00%	16.14%	32.91%	31.45%	14.51%
	Task 11	5.00%	16.14%	32.91%	31.45%	14.51%
Task 12	2.34%	14.57%	38.41%	31.87%	12.81%	

* Task is shared between A and B/C.

Note that this table includes all tasks across tiers for this cluster.

Table 6.2.4.3H

DIF Analysis and Summary: Spek 1C S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
DIF Level	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	3	3	5	1
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.S01C_14603_Slp3_ClassroomDesk_401_V2_S401_Paper	AA	M	AA	O
2.S01C_14604_Slp5_ClassroomDesk_401_V2_S401_Paper	AA	F	AA	H
3.S01C_14611_LSp3_Librarian_401_S401_Paper	AA	F	AA	H
4.S01C_14612_LSp5_Librarian_401_S401_Paper	AA	F	AA	H
5.S01C_14607_MSp3_Adventure_401_V2_S401_Paper	AA	M	AA	H
6.S01C_14608_MSp5_Adventure_401_V2_S401_Paper	AA	M	AA	H

Note that the test form is shared between 1B and 1C.

Table 6.2.4.3I

Raw Score to Scale Score Conversion: Spek 1C S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
6	106 [^]	23.11	130.89	177.11
7	163	16.09	146.91	179.09
8	172	16.09	155.91	188.09
9	180	15.79	164.21	195.79
10	189	15.50	173.50	204.50
11	197	15.21	181.79	212.21
12	205	15.21	189.79	220.21
13	213	15.50	197.50	228.50
14	221	16.09	204.91	237.09
15	230	16.67	213.33	246.67
16	241	17.84	223.16	258.84
17	252	19.01	232.99	271.01
18	265	19.89	245.11	284.89
19	279	19.89	259.11	298.89
20	292	19.01	272.99	311.01
21	303	18.13	284.87	321.13
22	314	17.55	296.45	331.55
23	325	16.96	308.04	341.96
24	334	16.96	317.04	350.96
25	344	17.55	326.45	361.55
26	355	18.43	336.57	373.43
27	368	19.89	348.11	387.89
28	381*	22.52	360.48	405.52
29	394*	26.03	380.97	433.03
30	407*	31.00	413.00	475.00

^ Truncated

* Adjusted for end of scale effect

Note that the test form is shared between 1B and 1C.

Table 6.2.4.3J

Raw Score to Proficiency Level Conversion: Spek 1C S401 Paper

Raw Score	Grade 1	
	Proficiency Level Score	% of Students
6	1.0	0.1
7	1.5	0.0
8	1.6	0.1
9	1.7	0.1
10	1.8	0.1
11	1.9	0.2
12	2.0	0.7
13	2.1	0.8
14	2.2	1.2
15	2.4	1.9
16	2.6	2.8
17	2.8	4.0
18	3.0	7.5
19	3.3	6.6
20	3.6	7.7
21	3.8	8.1
22	4.0	8.5
23	4.2	7.7
24	4.4	9.3
25	4.6	6.7
26	4.8	5.9
27	5.1	5.6
28	5.4	4.8
29	5.7	4.2
30	6.0	5.3

Note that the test form is shared between 1B and 1C.

6.3 Grade: 2

6.3.1 Listening 2

6.3.1.1 Listening 2A

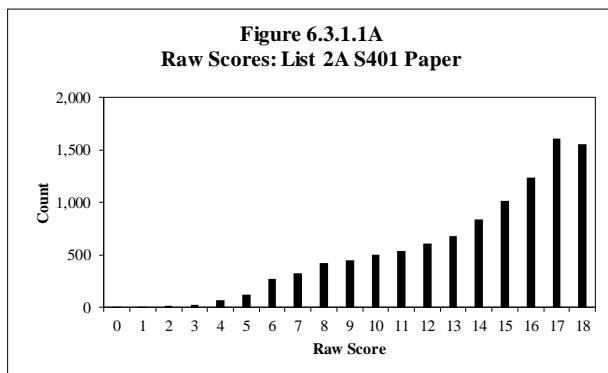


Table 6.3.1.1A

Raw Score Descriptive Statistics: List 2A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	10,265	0	18	13.77	3.72

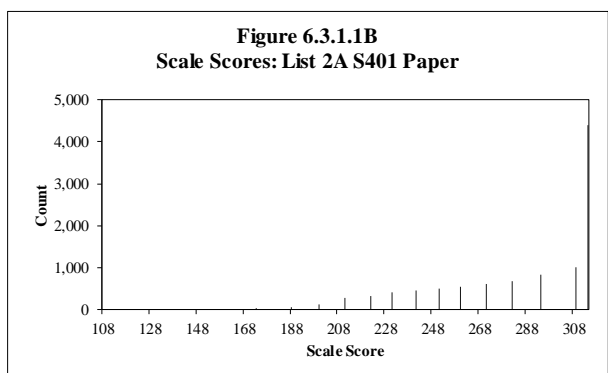


Table 6.3.1.1B

Scale Score Descriptive Statistics: List 2A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	10,265	108	314	286.35	34.79

Note: Scale scores capped at proficiency level 4.0

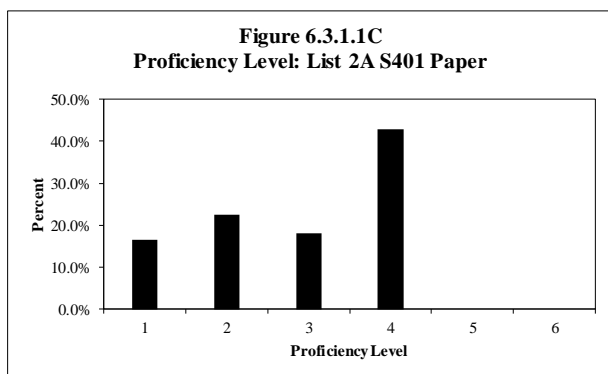


Table 6.3.1.1C

Proficiency Level Distribution: List 2A S401 Paper

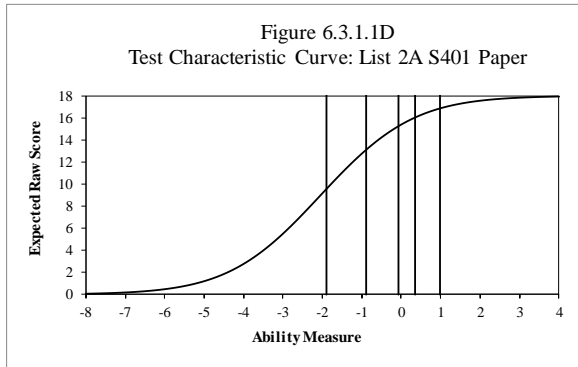
Level	Count	Percent
1	1,691	16.5%
2	2,316	22.6%
3	1,858	18.1%
4	4,400	42.9%
5	n/a	n/a
6	n/a	n/a
Total	10,265	100.0%

Note: Scale scores capped at proficiency level 4.0

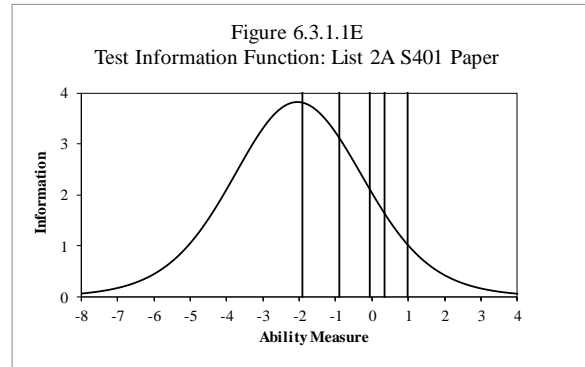
Table 6.3.1.1D
Scaling Equation for Listening

$$\text{Listening Scale Score} = (\text{Ability Measure in Logits} * 37.571) + 316.637$$

Table 6.3.1.1E
Equating Summary: List 2A S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 4.0



Note: Scale scores capped at proficiency level 4.0

Table 6.3.1.1F
Reliability: List 2A S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
38,362	18	0.793	1.568

Note that the test form is shared between 1A and 2A.

Table 6.3.1.1G

Complete Item Analysis and Summary: List 2A S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	-2.07	0.99	0.95
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.L12A_9611_SIp1_ClassDirections_302_S401_Paper	-2.21	0.93	0.80
2.L12A_9612_SIp2_ClassDirections_302_S401_Paper	-2.48	0.91	0.82
3.L12A_9613_SIp3_ClassDirections_302_S401_Paper	-2.81	0.98	0.88
4.L12A_10776_LAp1_MouseStory_302_S401_Paper	-2.14	0.93	0.80
5.L12A_10777_LAp2_MouseStory_302_S401_Paper	-1.37	1.09	1.11
6.L12A_10778_LAp3_MouseStory_302_S401_Paper	-1.09	1.08	1.09
7.L12A_6855_MAp1_MeasuringAnimals_203_S401_Paper	-1.66	1.06	1.06
8.L12A_6856_MAp2_MeasuringAnimals_203_S401_Paper	-0.46	1.18	1.25
9.L12A_6857_MAp3_MeasuringAnimals_203_S401_Paper	-2.23	1.07	1.08
10.L12A_6730_SCP1_JumpRope_203_S401_Paper	-3.59	0.84	0.57
11.L12A_6731_SCP2_JumpRope_203_S401_Paper	-0.87	1.10	1.23
12.L12A_6732_SCP3_JumpRope_203_S401_Paper	-3.14	0.82	0.66
13.L12A_10687_SSp1_FruitTrees_302_S401_Paper	-3.40	0.92	0.79
14.L12A_10689_SSp2_FruitTrees_302_S401_Paper	-1.34	1.02	1.01
15.L12A_10691_SSp3_FruitTrees_302_S401_Paper	-1.47	1.06	1.07
16.L12A_9848_SIp2_ClassHelpers_302_S401_Paper	-2.57	0.89	0.87
17.L12A_9850_SIp3_ClassHelpers_302_S401_Paper	-2.32	0.92	0.87
18.L12A_9852_SIp4_ClassHelpers_302_S401_Paper	-2.15	1.05	1.11

* No equating was performed for S303 and S401. Information on anchored items and their P-values can be found in S302 Annual Technical Report, Table H.

Note that the test form is shared between 1A and 2A.

Table 6.3.1.1H

DIF Analysis and Summary: List 2A S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	7	11	11	7
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.L12A_9611_SIp1_ClassDirections_302_S401_Paper	A	M	A	H
2.L12A_9612_SIp2_ClassDirections_302_S401_Paper	A	F	A	H
3.L12A_9613_SIp3_ClassDirections_302_S401_Paper	A	F	A	H
4.L12A_10776_LAp1_MouseStory_302_S401_Paper	A	F	A	H
5.L12A_10777_LAp2_MouseStory_302_S401_Paper	A	F	A	H
6.L12A_10778_LAp3_MouseStory_302_S401_Paper	A	M	A	H
7.L12A_6855_MAp1_MeasuringAnimals_203_S401_Paper	A	M	A	O
8.L12A_6856_MAp2_MeasuringAnimals_203_S401_Paper	A	M	A	O
9.L12A_6857_MAp3_MeasuringAnimals_203_S401_Paper	A	M	A	H
10.L12A_6730_S Cp1_JumpRope_203_S401_Paper	A	F	A	O
11.L12A_6731_S Cp2_JumpRope_203_S401_Paper	A	F	A	O
12.L12A_6732_S Cp3_JumpRope_203_S401_Paper	A	M	A	O
13.L12A_10687_SSp1_FruitTrees_302_S401_Paper	A	F	A	H
14.L12A_10689_SSp2_FruitTrees_302_S401_Paper	A	M	A	O
15.L12A_10691_SSp3_FruitTrees_302_S401_Paper	A	F	A	O
16.L12A_9848_SIp2_ClassHelpers_302_S401_Paper	A	F	A	H
17.L12A_9850_SIp3_ClassHelpers_302_S401_Paper	A	F	A	H
18.L12A_9852_SIp4_ClassHelpers_302_S401_Paper	A	F	A	H

Note that the test form is shared between 1A and 2A.

Table 6.3.1.1I

Raw Score to Scale Score Conversion: List 2A S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
	Grade 2			
0	108^	47.34	100.00^	123.34
1	124	39.39	100.00^	163.39
2	154	29.12	124.88	183.12
3	173	24.83	148.17	197.83
4	188	22.44	165.56	210.44
5	200	20.96	179.04	220.96
6	211	20.01	190.99	231.01
7	222	19.41	202.59	241.41
8	231	19.08	211.92	250.08
9	241	18.98	222.02	259.98
10	251	19.08	231.92	270.08
11	260	19.41	240.59	279.41
12	271	20.01	250.99	291.01
13	282	20.95	261.05	302.95
14	294	22.42	271.58	316.42
15	309	24.79	284.21	333.79
16	314*	25.92*	302.08*	353.92*
17				
18				

^ Truncated

* Applies to all capped grade 2 scores

Note that the test form is shared between 1A and 2A.

Table 6.3.1.1J

Raw Score to Proficiency Level Conversion: List 2A S401 Paper

Raw Score	Grade 2	
	Proficiency Level Score	% of Students
0	1.0	0.0
1	1.1	0.0
2	1.3	0.1
3	1.4	0.3
4	1.5	0.6
5	1.6	1.2
6	1.7	2.6
7	1.8	3.1
8	1.8	4.1
9	1.9	4.4
10	2.1	4.9
11	2.3	5.2
12	2.6	5.9
13	2.9	6.6
14	3.3	8.2
15	3.8	9.9
16	4.0*	12.1
17	4.0*	15.7
18	4.0*	15.1

* Capped

Note that the test form is shared between 1A and 2A.

6.3.1.2 Listening 2B

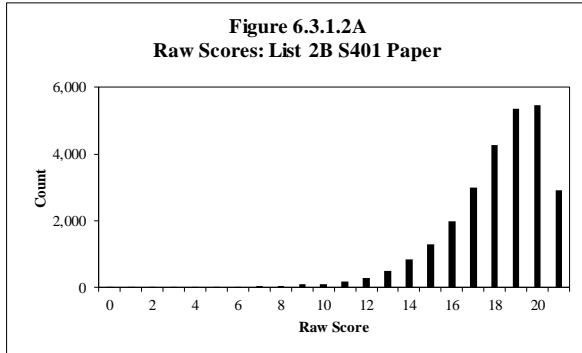


Table 6.3.1.2A
Raw Score Descriptive Statistics: List 2B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	26,342	0	21	18.10	2.38

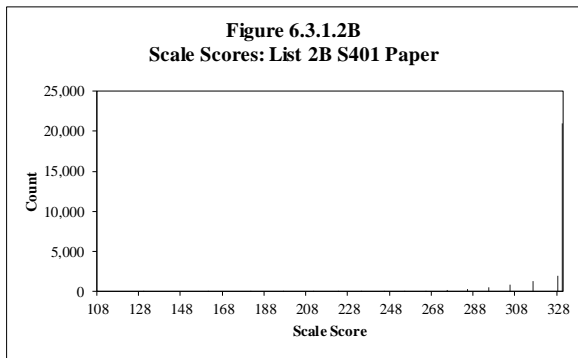


Table 6.3.1.2B
Scale Score Descriptive Statistics: List 2B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	26,342	108	330	325.94	12.76

Note: Scale scores capped at proficiency level 5.0

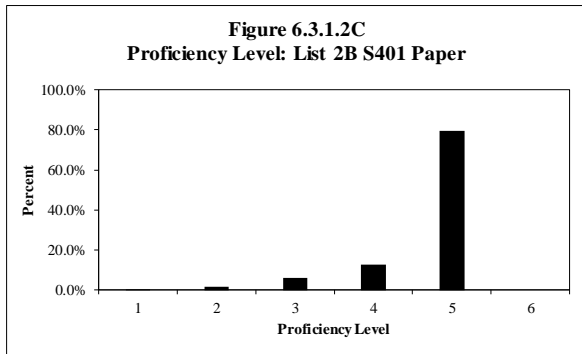


Table 6.3.1.2C
Proficiency Level Distribution: List 2B S401 Paper

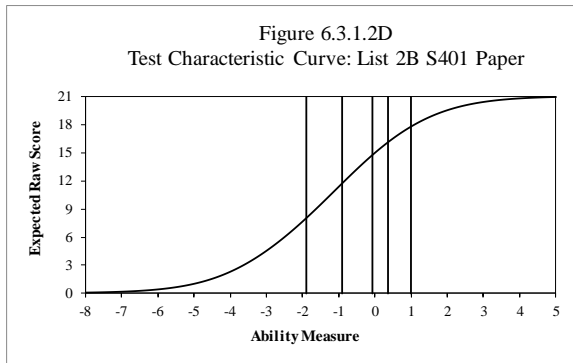
Level	Count	Percent
1	83	0.3%
2	381	1.4%
3	1,610	6.1%
4	3,281	12.5%
5	20,987	79.7%
6	n/a	n/a
Total	26,342	100.0%

Note: Scale scores capped at proficiency level 5.0

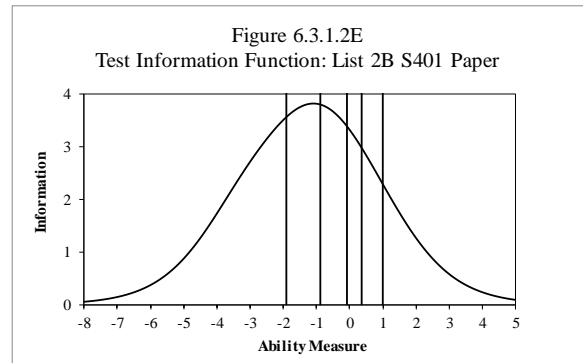
Table 6.3.1.2D
Scaling Equation for Listening

$$\text{Listening Scale Score} = (\text{Ability Measure in Logits} * 37.571) + 316.637$$

Table 6.3.1.2E
Equating Summary: List 2B S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 5.0



Note: Scale scores capped at proficiency level 5.0

Table 6.3.1.2F
Reliability: List 2B S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
51,907	21	0.681	1.535

Note that the test form is shared between 1B and 2B.

Table 6.3.1.2G

Complete Item Analysis and Summary: List 2B S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	-1.25	0.99	0.92
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.L12B_9828_SIp2_EndSchoolDay_302_S401_Paper	-2.98	0.94	0.67
2.L12B_9829_SIp3_EndSchoolDay_302_S401_Paper	-2.71	0.94	0.65
3.L12B_9830_SIp4_EndSchoolDay_302_S401_Paper	-1.49	1.01	1.03
4.L12B_10745_LAp2_BenjaminFranklin_302_S401_Paper	-1.02	1.15	1.40
5.L12B_10746_LAp3_BenjaminFranklin_302_S401_Paper	-1.32	0.94	0.83
6.L12B_10748_LAp4_BenjaminFranklin_302_S401_Paper	0.73	1.11	1.17
7.L12B_7061_MAp2_ShapeGame_203_S401_Paper	-1.07	1.06	1.16
8.L12B_7062_MAp3_ShapeGame_203_S401_Paper	1.18	1.08	1.14
9.L12B_7063_MAp4_ShapeGame_203_S401_Paper	-0.09	1.06	1.07
10.L12B_7352_SCP2_MixDrinks_203_S401_Paper	-3.40	0.93	0.77
11.L12B_7353_SCP3_MixDrinks_203_S401_Paper	-2.06	0.93	0.78
12.L12B_7355_SCP4_MixDrinks_203_S401_Paper	-3.05	0.93	0.64
13.L12B_10716_SSp2_CityWorkers_302_S401_Paper	-1.89	0.97	0.87
14.L12B_10718_SSp3_CityWorkers_302_S401_Paper	-1.23	0.97	0.88
15.L12B_10719_SSp4_CityWorkers_302_S401_Paper	-1.37	0.94	0.81
16.L12B_10794_LAp3_GrowingUp_302_S401_Paper	-3.05	0.96	0.73
17.L12B_10795_LAp4_GrowingUp_302_S401_Paper	-0.61	1.00	0.97
18.L12B_10802_LAp5_GrowingUp_302_S401_Paper	-0.46	0.97	0.93
19.L12B_7654_MAp3_SchoolClothes_203_S401_Paper	-0.64	0.95	0.90
20.L12B_7655_MAp4_SchoolClothes_203_S401_Paper	0.00	0.97	0.96
21.L12B_7656_MAp5_SchoolClothes_203_S401_Paper	0.33	1.00	1.00

* No equating was performed for S303 and S401. Information on anchored items and their P-values can be found in S302 Annual Technical Report, Table H.

Note that the test form is shared between 1B and 2B.

Table 6.3.1.2H

DIF Analysis and Summary: List 2B S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	10	11	12	9
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.L12B_9828_SIp2_EndSchoolDay_302_S401_Paper	A	F	A	H
2.L12B_9829_SIp3_EndSchoolDay_302_S401_Paper	A	F	A	H
3.L12B_9830_SIp4_EndSchoolDay_302_S401_Paper	A	F	A	H
4.L12B_10745_LAp2_BenjaminFranklin_302_S401_Paper	A	F	A	H
5.L12B_10746_LAp3_BenjaminFranklin_302_S401_Paper	A	F	A	H
6.L12B_10748_LAp4_BenjaminFranklin_302_S401_Paper	A	M	A	H
7.L12B_7061_MAp2_ShapeGame_203_S401_Paper	A	M	A	O
8.L12B_7062_MAp3_ShapeGame_203_S401_Paper	A	M	A	O
9.L12B_7063_MAp4_ShapeGame_203_S401_Paper	A	M	A	H
10.L12B_7352_SCP2_MixDrinks_203_S401_Paper	A	F	A	O
11.L12B_7353_SCP3_MixDrinks_203_S401_Paper	A	F	A	O
12.L12B_7355_SCP4_MixDrinks_203_S401_Paper	A	F	A	O
13.L12B_10716_SSp2_CityWorkers_302_S401_Paper	A	M	A	H
14.L12B_10718_SSp3_CityWorkers_302_S401_Paper	A	M	A	H
15.L12B_10719_SSp4_CityWorkers_302_S401_Paper	A	M	A	H
16.L12B_10794_LAp3_GrowingUp_302_S401_Paper	A	M	A	H
17.L12B_10795_LAp4_GrowingUp_302_S401_Paper	A	F	A	O
18.L12B_10802_LAp5_GrowingUp_302_S401_Paper	A	F	A	O
19.L12B_7654_MAp3_SchoolClothes_203_S401_Paper	A	M	A	H
20.L12B_7655_MAp4_SchoolClothes_203_S401_Paper	A	F	A	O
21.L12B_7656_MAp5_SchoolClothes_203_S401_Paper	A	M	A	O

Note that the test form is shared between 1B and 2B.

Table 6.3.1.2I

Raw Score to Scale Score Conversion: List 2B S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
	Grade 2			
0	108^	51.10	100.00^	133.10
1	130	39.85	100.00^	169.85
2	161	29.82	131.18	190.82
3	181	25.70	155.30	206.70
4	197	23.41	173.59	220.41
5	211	21.96	189.04	232.96
6	223	20.96	202.04	243.96
7	234	20.25	213.75	254.25
8	245	19.75	225.25	264.75
9	255	19.41	235.59	274.41
10	265	19.23	245.77	284.23
11	275	19.19	255.81	294.19
12	285	19.30	265.70	304.30
13	295	19.56	275.44	314.56
14	305	20.01	284.99	325.01
15	316	20.70	295.30	336.70
16	328	21.70	306.30	349.70
17	330*	21.79*	320.21*	363.79*
18				
19				
20				
21				

^ Truncated

* Applies to all capped grade 2 scores

Note that the test form is shared between 1B and 2B.

Table 6.3.1.2J

Raw Score to Proficiency Level Conversion: List 2B S401 Paper

Raw Score	Grade 2	
	Proficiency Level Score	% of Students
0	1.0	0.0
1	1.1	0.0
2	1.3	0.0
3	1.5	0.0
4	1.6	0.0
5	1.7	0.0
6	1.8	0.1
7	1.9	0.1
8	2.0	0.1
9	2.2	0.3
10	2.5	0.4
11	2.7	0.7
12	3.0	1.1
13	3.3	1.9
14	3.7	3.2
15	4.1	4.9
16	4.8	7.5
17	5.0*	11.4
18	5.0*	16.2
19	5.0*	20.4
20	5.0*	20.7
21	5.0*	11.1

* Capped

Note that the test form is shared between 1B and 2B.

6.3.1.3 Listening 2C

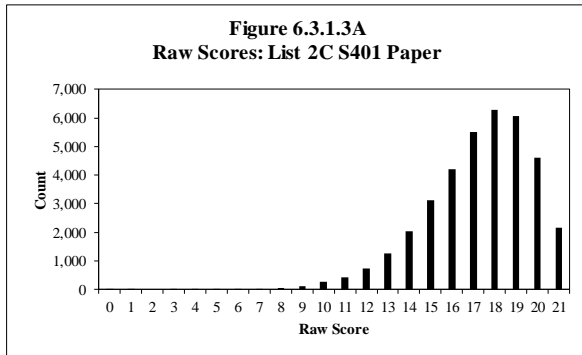


Table 6.3.1.3A
Raw Score Descriptive Statistics: List 2C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	36,876	0	21	17.25	2.47

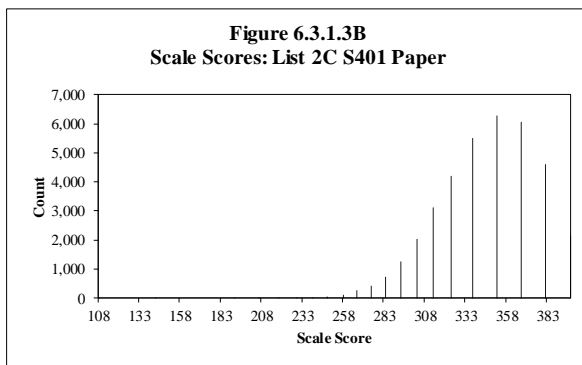


Table 6.3.1.3B
Scale Score Descriptive Statistics: List 2C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	36,876	108	397	343.95	31.43

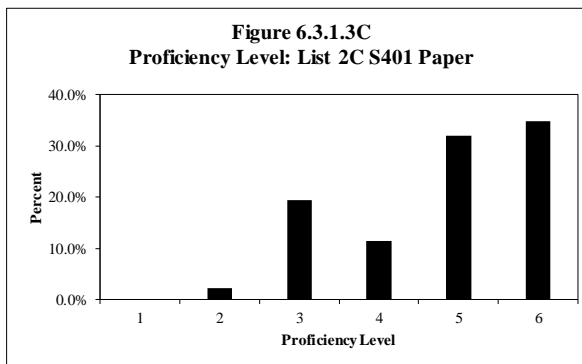


Table 6.3.1.3C
Proficiency Level Distribution: List 2C S401 Paper

Level	Count	Percent
1	58	0.2%
2	842	2.3%
3	7,135	19.3%
4	4,211	11.4%
5	11,784	32.0%
6	12,846	34.8%
Total	36,876	100.0%

Table 6.3.1.3D
Scaling Equation for Listening

$$\text{Listening Scale Score} = (\text{Ability Measure in Logits} * 37.571) + 316.637$$

Table 6.3.1.3E
Equating Summary: List 2C S401 Paper
Note: No equating was performed for S401.

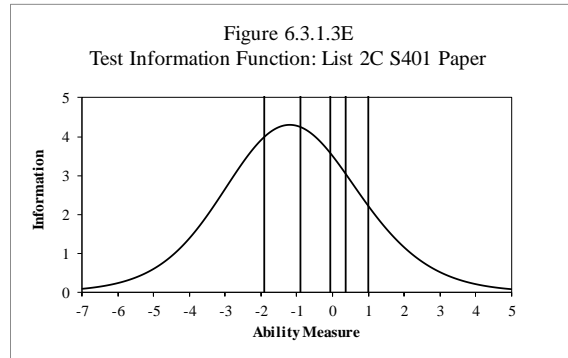
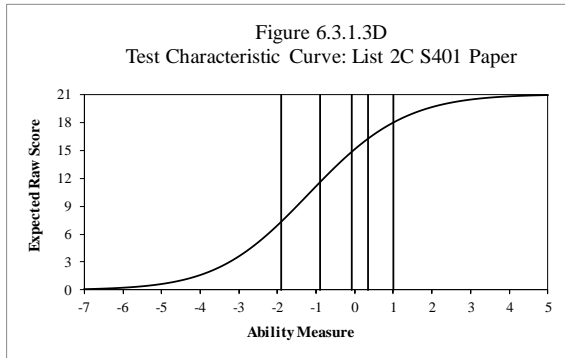


Table 6.3.1.3F
Reliability: List 2C S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
54,490	21	0.640	1.670

Note that the test form is shared between 1C and 2C.

Table 6.3.1.3G

Complete Item Analysis and Summary: List 2C S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	-1.19	1.00	0.98
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.L12C_10064_SIp3_Drawing_302_S401_Paper	-2.19	0.97	0.85
2.L12C_10065_SIp4_Drawing_302_S401_Paper	-2.51	0.96	0.79
3.L12C_10066_SIp5_Drawing_302_S401_Paper	-0.52	1.02	1.03
4.L12C_10764_LAp3_FriendStory_302_S401_Paper	-2.33	0.99	0.99
5.L12C_10765_LAp4_FriendStory_302_S401_Paper	-1.76	0.99	0.98
6.L12C_10766_LAp5_FriendStory_302_S401_Paper	-0.06	1.04	1.07
7.L12C_10144_MAp3_BookClub_302_S401_Paper	-0.04	0.95	0.92
8.L12C_10145_MAp4_BookClub_302_S401_Paper	-0.94	0.93	0.85
9.L12C_10146_MAp5_BookClub_302_S401_Paper	1.07	0.99	1.01
10.L12C_7261_SCP3_DesertLife_203_S401_Paper	-1.97	0.99	0.98
11.L12C_7262_SCP4_DesertLife_203_S401_Paper	-0.92	1.00	0.98
12.L12C_7263_SCP5_DesertLife_203_S401_Paper	-0.37	0.97	0.94
13.L12C_10757_SSp3_TownWalk_302_S401_Paper	-2.01	0.98	0.92
14.L12C_10758_SSp4_TownWalk_302_S401_Paper	-2.87	0.96	0.91
15.L12C_10759_SSp5_TownWalk_302_S401_Paper	-1.43	1.04	1.08
16.L12C_10786_LAp3_ProblemDay_302_S401_Paper	-1.81	0.96	0.93
17.L12C_10787_LAp4_ProblemDay_302_S401_Paper	-1.91	0.97	0.91
18.L12C_10788_LAp5_ProblemDay_302_S401_Paper	-0.45	1.12	1.20
19.L12C_7223_MAp3_MeasureMe_203_S401_Paper	-1.14	1.05	1.08
20.L12C_7224_MAp4_MeasureMe_203_S401_Paper	-0.99	1.07	1.16
21.L12C_7225_MAp5_MeasureMe_203_S401_Paper	0.26	1.01	1.00

* No equating was performed for S303 and S401. Information on anchored items and their P-values can be found in S302 Annual Technical Report, Table H.

Note that the test form is shared between 1C and 2C.

Table 6.3.1.3H

DIF Analysis and Summary: List 2C S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	9	12	14	7
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.L12C_10064_SIp3_Drawing_302_S401_Paper	A	F	A	O
2.L12C_10065_SIp4_Drawing_302_S401_Paper	A	F	A	H
3.L12C_10066_SIp5_Drawing_302_S401_Paper	A	F	A	H
4.L12C_10764_LAp3_FriendStory_302_S401_Paper	A	F	A	H
5.L12C_10765_LAp4_FriendStory_302_S401_Paper	A	M	A	H
6.L12C_10766_LAp5_FriendStory_302_S401_Paper	A	F	A	H
7.L12C_10144_MAp3_BookClub_302_S401_Paper	A	M	A	O
8.L12C_10145_MAp4_BookClub_302_S401_Paper	A	F	A	H
9.L12C_10146_MAp5_BookClub_302_S401_Paper	A	M	A	O
10.L12C_7261_SCp3_DesertLife_203_S401_Paper	A	M	A	H
11.L12C_7262_SCp4_DesertLife_203_S401_Paper	A	M	A	O
12.L12C_7263_SCp5_DesertLife_203_S401_Paper	A	F	A	H
13.L12C_10757_SSp3_TownWalk_302_S401_Paper	A	F	A	H
14.L12C_10758_SSp4_TownWalk_302_S401_Paper	A	F	A	H
15.L12C_10759_SSp5_TownWalk_302_S401_Paper	A	M	A	O
16.L12C_10786_LAp3_ProblemDay_302_S401_Paper	A	M	A	H
17.L12C_10787_LAp4_ProblemDay_302_S401_Paper	A	M	A	O
18.L12C_10788_LAp5_ProblemDay_302_S401_Paper	A	F	A	H
19.L12C_7223_MAp3_MeasureMe_203_S401_Paper	A	F	A	O
20.L12C_7224_MAp4_MeasureMe_203_S401_Paper	A	F	A	H
21.L12C_7225_MAp5_MeasureMe_203_S401_Paper	A	M	A	H

Note that the test form is shared between 1C and 2C.

Table 6.3.1.3I

Raw Score to Scale Score Conversion: List 2C S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
	Grade 2			
0	108^	59.36	100.00^	154.36
1	143	39.28	103.72	182.28
2	172	29.00	143.00	201.00
3	191	24.70	166.30	215.70
4	206	22.31	183.69	228.31
5	218	20.80	197.20	238.80
6	229	19.80	209.20	248.80
7	239	19.11	219.89	258.11
8	248	18.66	229.34	266.66
9	258	18.39	239.61	276.39
10	266	18.27	247.73	284.27
11	275	18.29	256.71	293.29
12	284	18.44	265.56	302.44
13	293	18.75	274.25	311.75
14	303	19.24	283.76	322.24
15	313	19.97	293.03	332.97
16	324	21.03	302.97	345.03
17	337	22.60	314.40	359.60
18	352	25.06	326.94	377.06
19	367*	28.18	343.82	400.18
20	382*	32.69	369.31	434.69
21	397*	37.57	412.43	487.57

^ Truncated

* Adjusted for end of scale effect

Note that the test form is shared between 1C and 2C.

Table 6.3.1.3J

Raw Score to Proficiency Level Conversion: List 2C S401 Paper

Raw Score	Grade 2	
	Proficiency Level Score	% of Students
0	1.0	0.0
1	1.2	0.0
2	1.4	0.0
3	1.6	0.0
4	1.7	0.0
5	1.8	0.0
6	1.8	0.0
7	1.9	0.1
8	2.0	0.2
9	2.3	0.3
10	2.5	0.7
11	2.7	1.1
12	3.0	2.0
13	3.3	3.4
14	3.6	5.5
15	3.9	8.4
16	4.6	11.4
17	5.2	14.9
18	5.9	17.1
19	6.0	16.5
20	6.0	12.5
21	6.0	5.9

Note that the test form is shared between 1C and 2C.

6.3.2 Reading 2

6.3.2.1 Reading 2A

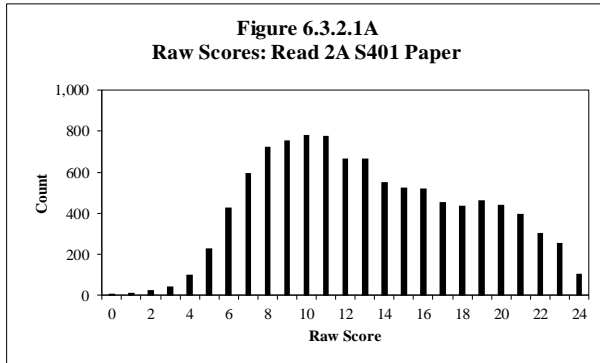


Table 6.3.2.1A

Raw Score Descriptive Statistics: Read 2A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	10,265	0	24	13.12	5.11

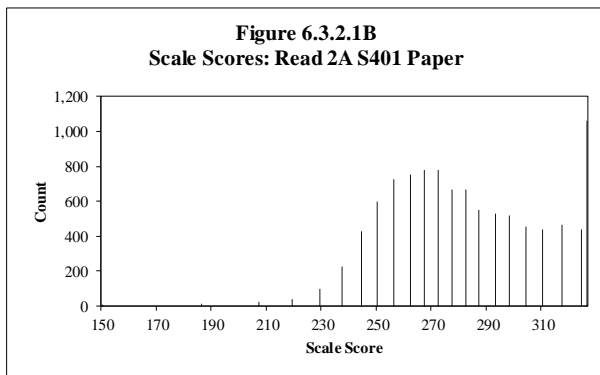


Table 6.3.2.1B

Scale Score Descriptive Statistics: Read 2A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	10,265	150	326	282.60	27.52

Note: Scale scores capped at proficiency level 4.0

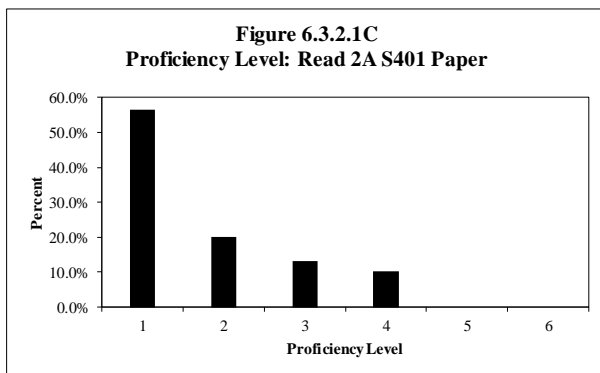


Table 6.3.2.1C

Proficiency Level Distribution: Read 2A S401 Paper

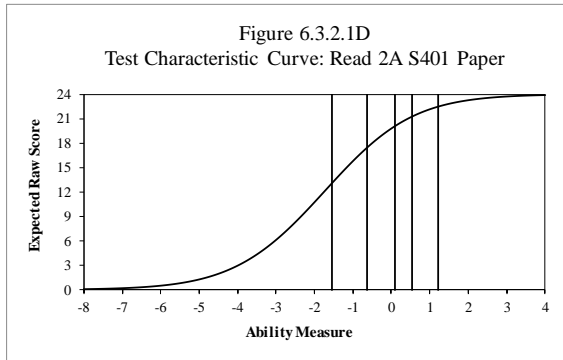
Level	Count	Percent
1	5,810	56.6%
2	2,051	20.0%
3	1,342	13.1%
4	1,062	10.3%
5	n/a	n/a
6	n/a	n/a
Total	10,265	100.0%

Note: Scale scores capped at proficiency level 4.0

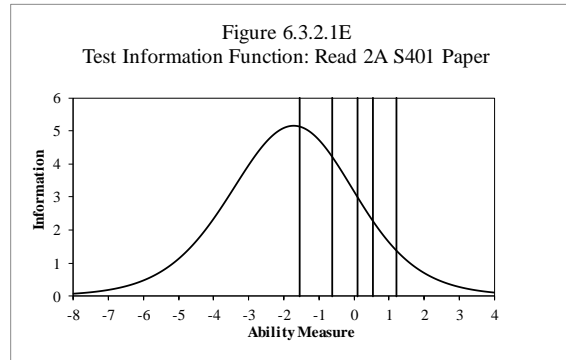
Table 6.3.2.1D
Scaling Equation for Reading

$$\text{Reading Scale Score} = (\text{Ability Measure in Logits} * 26.000) + 323.272$$

Table 6.3.2.1E
Equating Summary: Read 2A S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 4.0



Note: Scale scores capped at proficiency level 4.0

Table 6.3.2.1F
Reliability: Read 2A S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
38,380	24	0.766	2.183

Note that the test form is shared between 1A and 2A.

Table 6.3.2.1G

Complete Item Analysis and Summary: Read 2A S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	-1.79	1.00	1.00
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.R12A_10639_SIp1_FavoriteThings_301_S401_Paper	-2.41	1.03	1.10
2.R12A_10640_SIp2_FavoriteThings_301_S401_Paper	-2.24	0.90	0.85
3.R12A_10641_SIp3_FavoriteThings_301_S401_Paper	-1.00	1.07	1.13
4.R12A_9485_LAp1_RainyDay_303_S401_Paper	-3.01	0.88	0.76
5.R12A_9489_LAp2_RainyDay_303_S401_Paper	-2.52	0.88	0.80
6.R12A_9490_LAp3_RainyDay_303_S401_Paper	-1.27	1.01	1.01
7.R12A_9370_MAp1_LunchChoice_301_S401_Paper	-3.91	0.99	0.90
8.R12A_9371_MAp2_LunchChoice_301_S401_Paper	-2.76	0.96	0.90
9.R12A_9372_MAp3_LunchChoice_301_S401_Paper	-1.41	0.88	0.84
10.R12A_11068_SCP1_EarthResources_303_S401_Paper	-2.59	0.92	0.87
11.R12A_11069_SCP2_EarthResources_303_S401_Paper	-1.99	0.96	0.92
12.R12A_11088_SCP3_EarthResources_303_S401_Paper	-0.20	1.05	1.19
13.R12A_6727_SSp1_HomesofthePast_203_S401_Paper	-2.39	0.84	0.79
14.R12A_6728_SSp2_HomesofthePast_203_S401_Paper	-2.58	0.94	0.90
15.R12A_6729_SSp3_HomesofthePast_203_S401_Paper	-0.85	1.02	1.05
16.R12A_10642_SIp2_ClassNews_301_S401_Paper	-1.53	1.06	1.07
17.R12A_10643_SIp3_ClassNews_301_S401_Paper	-1.21	0.97	0.95
18.R12A_10644_SIp4_ClassNews_301_S401_Paper	-1.29	1.14	1.17
19.R12A_11319_LAp2_MissingTooth_303_S401_Paper	-1.49	0.96	0.95
20.R12A_11320_LAp3_MissingTooth_303_S401_Paper	-1.48	1.10	1.12
21.R12A_11321_LAp4_MissingTooth_303_S401_Paper	-0.69	1.18	1.25
22.R12A_5125_MAp1_SchoolStore_dode_S401_Paper	-1.28	0.97	0.97
23.R12A_5126_MAp2_SchoolStore_dode_S401_Paper	-1.90	1.07	1.09
24.R12A_5127_MAp3_SchoolStore_dode_S401_Paper	-0.91	1.28	1.38

* No equating was performed for S401. Information on anchored items and their P-values can be found in S303 Annual Technical Report, Table H.

Note that the test form is shared between 1A and 2A.

Table 6.3.2.1H

DIF Analysis and Summary: Read 2A S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	12	12	14	10
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.R12A_10639_SIp1_FavoriteThings_301_S401_Paper	A	M	A	O
2.R12A_10640_SIp2_FavoriteThings_301_S401_Paper	A	F	A	H
3.R12A_10641_SIp3_FavoriteThings_301_S401_Paper	A	M	A	O
4.R12A_9485_LAp1_RainyDay_303_S401_Paper	A	F	A	H
5.R12A_9489_LAp2_RainyDay_303_S401_Paper	A	F	A	H
6.R12A_9490_LAp3_RainyDay_303_S401_Paper	A	F	A	O
7.R12A_9370_MAp1_LunchChoice_301_S401_Paper	A	F	A	H
8.R12A_9371_MAp2_LunchChoice_301_S401_Paper	A	F	A	H
9.R12A_9372_MAp3_LunchChoice_301_S401_Paper	A	M	A	O
10.R12A_11068_ScP1_EarthResources_303_S401_Paper	A	M	A	H
11.R12A_11069_ScP2_EarthResources_303_S401_Paper	A	M	A	H
12.R12A_11088_ScP3_EarthResources_303_S401_Paper	A	F	A	O
13.R12A_6727_SSp1_HomesofthePast_203_S401_Paper	A	F	A	O
14.R12A_6728_SSp2_HomesofthePast_203_S401_Paper	A	M	A	H
15.R12A_6729_SSp3_HomesofthePast_203_S401_Paper	A	F	A	H
16.R12A_10642_SIp2_ClassNews_301_S401_Paper	A	M	A	H
17.R12A_10643_SIp3_ClassNews_301_S401_Paper	A	F	A	H
18.R12A_10644_SIp4_ClassNews_301_S401_Paper	A	M	A	O
19.R12A_11319_LAp2_MissingTooth_303_S401_Paper	A	F	A	O
20.R12A_11320_LAp3_MissingTooth_303_S401_Paper	A	M	A	O
21.R12A_11321_LAp4_MissingTooth_303_S401_Paper	A	M	A	H
22.R12A_5125_MAp1_SchoolStore_dode_S401_Paper	A	M	A	O
23.R12A_5126_MAp2_SchoolStore_dode_S401_Paper	A	F	A	H
24.R12A_5127_MAp3_SchoolStore_dode_S401_Paper	A	M	A	H

Note that the test form is shared between 1A and 2A.

Table 6.3.2.11

Raw Score to Scale Score Conversion: Read 2A S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
	Grade 2			
0	150^	51.22	101.78	204.22
1	186	27.14	158.86	213.14
2	207	19.93	187.07	226.93
3	219	16.84	202.16	235.84
4	229	15.06	213.94	244.06
5	237	13.91	223.09	250.91
6	244	13.11	230.89	257.11
7	250	12.53	237.47	262.53
8	256	12.11	243.89	268.11
9	262	11.81	250.19	273.81
10	267	11.61	255.39	278.61
11	272	11.48	260.52	283.48
12	277	11.43	265.57	288.43
13	282	11.45	270.55	293.45
14	287	11.54	275.46	298.54
15	293	11.72	281.28	304.72
16	298	11.98	286.02	309.98
17	304	12.37	291.63	316.37
18	310	12.91	297.09	322.91
19	317	13.68	303.32	330.68
20	324	14.80	309.20	338.80
21	326*	15.08*	318.92*	349.08*
22				
23				
24				

^ Truncated

* Applies to all capped grade 2 scores

Note that the test form is shared between 1A and 2A.

Table 6.3.2.1J

Raw Score to Proficiency Level Conversion: Read 2A S401 Paper

Raw Score	Grade 2	
	Proficiency Level Score	% of Students
0	1.0	0.1
1	1.2	0.1
2	1.4	0.2
3	1.5	0.4
4	1.5	1.0
5	1.6	2.2
6	1.7	4.2
7	1.7	5.8
8	1.7	7.1
9	1.8	7.3
10	1.8	7.6
11	1.9	7.6
12	1.9	6.5
13	1.9	6.5
14	2.1	5.4
15	2.4	5.1
16	2.6	5.1
17	2.8	4.4
18	3.1	4.3
19	3.5	4.5
20	3.8	4.3
21	4.0*	3.9
22	4.0*	3.0
23	4.0*	2.5
24	4.0*	1.0

* Capped

Note that the test form is shared between 1A and 2A.

6.3.2.2 Reading 2B

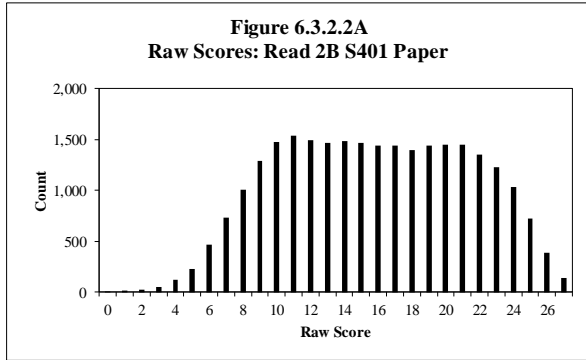


Table 6.3.2.2A

Raw Score Descriptive Statistics: Read 2B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	26,340	0	27	15.75	5.51

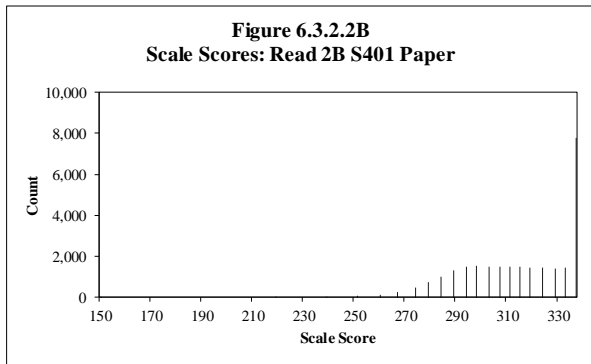


Table 6.3.2.2B

Scale Score Descriptive Statistics: Read 2B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	26,340	150	337	315.26	20.63

Note: Scale scores capped at proficiency level 5.0

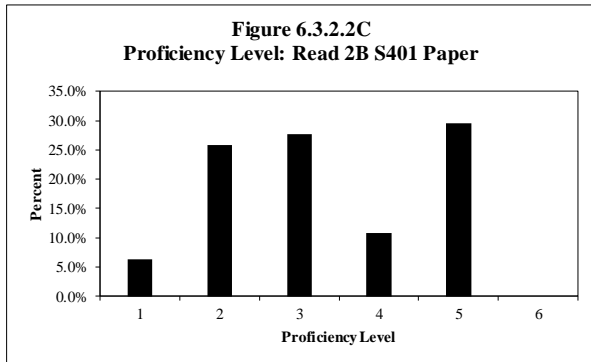


Table 6.3.2.2C

Proficiency Level Distribution: Read 2B S401 Paper

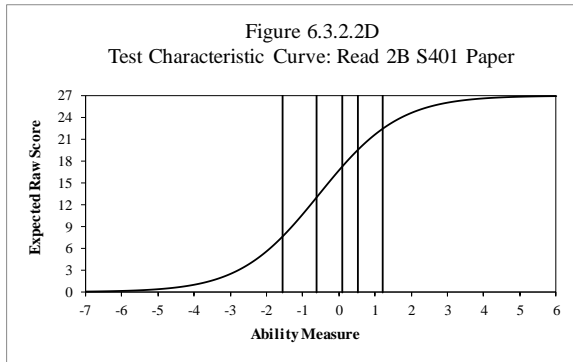
Level	Count	Percent
1	1,640	6.2%
2	6,808	25.8%
3	7,294	27.7%
4	2,834	10.8%
5	7,764	29.5%
6	n/a	n/a
Total	26,340	100.0%

Note: Scale scores capped at proficiency level 5.0

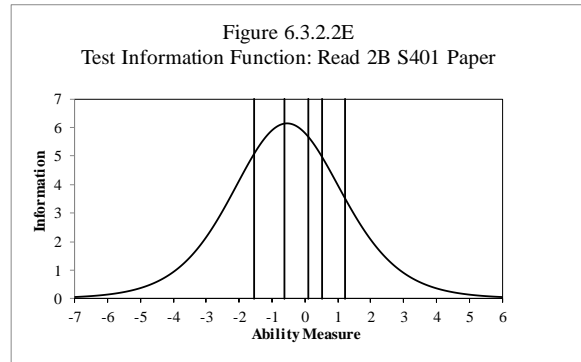
Table 6.3.2.2D
Scaling Equation for Reading

$$\text{Reading Scale Score} = (\text{Ability Measure in Logits} * 26.000) + 323.272$$

Table 6.3.2.2E
Equating Summary: Read 2B S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 5.0



Note: Scale scores capped at proficiency level 5.0

Table 6.3.2.2F
Reliability: Read 2B S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
51,911	27	0.818	2.337

Note that the test form is shared between 1B and 2B.

Table 6.3.2.2G

Complete Item Analysis and Summary: Read 2B S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	-0.55	1.00	0.99
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.R12B_8517_SIp2_FieldTrip_301_S401_Paper	-0.60	0.95	1.01
2.R12B_8519_SIp3_FieldTrip_301_S401_Paper	-0.50	1.15	1.19
3.R12B_8522_SIp4_FieldTrip_301_S401_Paper	-0.89	0.93	0.89
4.R12B_11319_LAp2_MissingTooth_303_S401_Paper	-0.97	0.88	0.85
5.R12B_11320_LAp3_MissingTooth_303_S401_Paper	-1.03	0.98	0.99
6.R12B_11321_LAp4_MissingTooth_303_S401_Paper	-0.04	1.03	1.06
7.R12B_8377_MAp2_Balance_301_S401_Paper	-1.97	0.97	0.88
8.R12B_8378_MAp3_Balance_301_S401_Paper	-0.68	1.02	1.01
9.R12B_8379_MAp4_Balance_301_S401_Paper	-0.64	0.96	0.92
10.R12B_11453_SCP2_SeedGrows_303_S401_Paper	0.59	0.97	0.97
11.R12B_11455_SCP3_SeedGrows_303_S401_Paper	0.08	1.19	1.26
12.R12B_11456_SCP4_SeedGrows_303_S401_Paper	-0.23	1.29	1.38
13.R12B_8452_SSp2_HelpfulWorkers_203_S401_Paper	-1.63	0.90	0.82
14.R12B_8453_SSp3_HelpfulWorkers_203_S401_Paper	-0.91	1.03	1.04
15.R12B_8454_SSp4_HelpfulWorkers_203_S401_Paper	-1.32	0.90	0.82
16.R12B_8267_LAp3_FishWish_203_S401_Paper	-0.24	0.95	0.94
17.R12B_8268_LAp4_FishWish_203_S401_Paper	-0.95	0.92	0.85
18.R12B_8269_LAp5_FishWish_203_S401_Paper	-0.55	1.02	1.02
19.R12B_8683_MAp3_PetSchedule_301_S401_Paper	0.11	1.06	1.06
20.R12B_8684_MAp4_PetSchedule_301_S401_Paper	-0.39	1.10	1.09
21.R12B_8685_MAp5_PetSchedule_301_S401_Paper	-0.30	1.08	1.09
22.R12B_11028_SCP1_UsingNature_303_S401_Paper	-1.07	0.81	0.73
23.R12B_11029_SCP2_UsingNature_303_S401_Paper	-0.53	0.92	0.88
24.R12B_11030_SCP3_UsingNature_303_S401_Paper	1.05	1.15	1.27
25.R12B_6931_SSp2_WhenIGrowUp_203_S401_Paper	-1.22	0.87	0.80
26.R12B_6932_SSp3_WhenIGrowUp_203_S401_Paper	-0.22	1.03	1.01
27.R12B_6933_SSp4_WhenIGrowUp_203_S401_Paper	0.17	1.00	0.99

* No equating was performed for S401. Information on anchored items and their P-values can be found in S303 Annual Technical Report, Table H.

Note that the test form is shared between 1B and 2B.

Table 6.3.2.2H

DIF Analysis and Summary: Read 2B S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	16	11	17	10
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.R12B_8517_SIp2_FieldTrip_301_S401_Paper	A	F	A	H
2.R12B_8519_SIp3_FieldTrip_301_S401_Paper	A	F	A	H
3.R12B_8522_SIp4_FieldTrip_301_S401_Paper	A	F	A	H
4.R12B_11319_LAp2_MissingTooth_303_S401_Paper	A	F	A	O
5.R12B_11320_LAp3_MissingTooth_303_S401_Paper	A	F	A	H
6.R12B_11321_LAp4_MissingTooth_303_S401_Paper	A	F	A	H
7.R12B_8377_MAp2_Balance_301_S401_Paper	A	M	A	H
8.R12B_8378_MAp3_Balance_301_S401_Paper	A	M	A	H
9.R12B_8379_MAp4_Balance_301_S401_Paper	A	F	A	H
10.R12B_11453_SCP2_SeedGrows_303_S401_Paper	A	M	A	H
11.R12B_11455_SCP3_SeedGrows_303_S401_Paper	A	M	A	H
12.R12B_11456_SCP4_SeedGrows_303_S401_Paper	A	M	A	O
13.R12B_8452_SSp2_HelpfulWorkers_203_S401_Paper	A	M	A	O
14.R12B_8453_SSp3_HelpfulWorkers_203_S401_Paper	A	M	A	O
15.R12B_8454_SSp4_HelpfulWorkers_203_S401_Paper	A	M	A	H
16.R12B_8267_LAp3_FishWish_203_S401_Paper	A	F	A	O
17.R12B_8268_LAp4_FishWish_203_S401_Paper	A	F	A	H
18.R12B_8269_LAp5_FishWish_203_S401_Paper	A	F	A	H
19.R12B_8683_MAp3_PetSchedule_301_S401_Paper	A	M	A	H
20.R12B_8684_MAp4_PetSchedule_301_S401_Paper	A	M	A	O
21.R12B_8685_MAp5_PetSchedule_301_S401_Paper	A	M	A	O
22.R12B_11028_SCP1_UsingNature_303_S401_Paper	A	M	A	O
23.R12B_11029_SCP2_UsingNature_303_S401_Paper	A	M	A	O
24.R12B_11030_SCP3_UsingNature_303_S401_Paper	A	M	A	H
25.R12B_6931_SSp2_WhenIGrowUp_203_S401_Paper	A	F	A	O
26.R12B_6932_SSp3_WhenIGrowUp_203_S401_Paper	A	M	A	H
27.R12B_6933_SSp4_WhenIGrowUp_203_S401_Paper	A	M	A	H

Note that the test form is shared between 1B and 2B.

Table 6.3.2.2I

Raw Score to Scale Score Conversion: Read 2B S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
	Grade 2			
0	150^	97.24	100.00^	284.24
1	219	26.70	192.30	245.70
2	239	19.38	219.62	258.38
3	251	16.24	234.76	267.24
4	260	14.44	245.56	274.44
5	267	13.26	253.74	280.26
6	274	12.43	261.57	286.43
7	279	11.83	267.17	290.83
8	284	11.38	272.62	295.38
9	289	11.04	277.96	300.04
10	294	10.80	283.20	304.80
11	298	10.63	287.37	308.63
12	303	10.52	292.48	313.52
13	307	10.47	296.53	317.47
14	311	10.47	300.53	321.47
15	315	10.53	304.47	325.53
16	319	10.64	308.36	329.64
17	324	10.82	313.18	334.82
18	329	11.07	317.93	340.07
19	333	11.41	321.59	344.41
20	337*	11.7*	327.3*	350.7*
21				
22				
23				
24				
25				
26				
27				

^ Truncated

* Applies to all capped grade 2 scores

Note that the test form is shared between 1B and 2B.

Table 6.3.2.2J

Raw Score to Proficiency Level Conversion: Read 2B S401 Paper

Raw Score	Grade 2	
	Proficiency Level Score	% of Students
0	1.0	0.0
1	1.5	0.1
2	1.6	0.1
3	1.7	0.2
4	1.8	0.5
5	1.8	0.9
6	1.9	1.8
7	1.9	2.8
8	2.0	3.8
9	2.2	4.9
10	2.4	5.6
11	2.6	5.8
12	2.8	5.7
13	3.0	5.6
14	3.2	5.6
15	3.4	5.6
16	3.6	5.5
17	3.8	5.5
18	4.2	5.3
19	4.6	5.5
20	5.0*	5.5
21	5.0*	5.5
22	5.0*	5.1
23	5.0*	4.7
24	5.0*	3.9
25	5.0*	2.7
26	5.0*	1.5
27	5.0*	0.5

* Capped

Note that the test form is shared between 1B and 2B.

6.3.2.3 Reading 2C

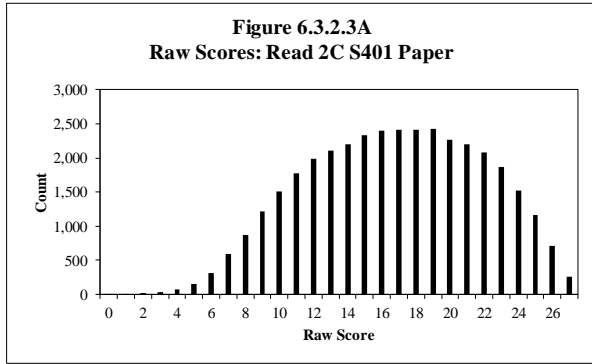


Table 6.3.2.3A

Raw Score Descriptive Statistics: Read 2C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	36,881	0	27	16.72	5.10

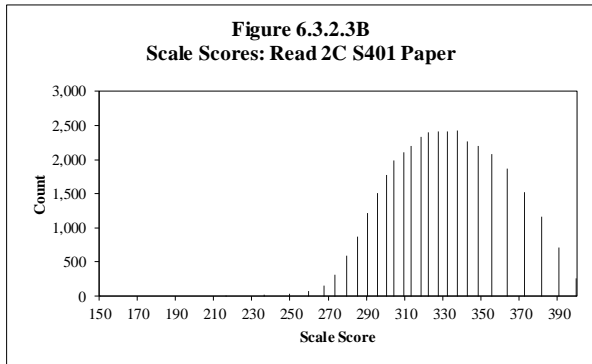


Table 6.3.2.3B

Scale Score Descriptive Statistics: Read 2C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	36,881	150	399	328.29	27.76

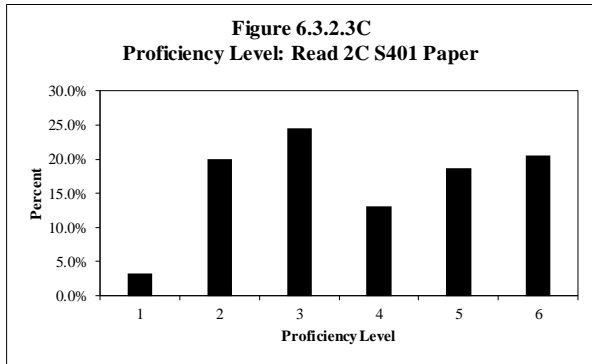


Table 6.3.2.3C

Proficiency Level Distribution: Read 2C S401 Paper

Level	Count	Percent
1	1,181	3.2%
2	7,355	19.9%
3	9,027	24.5%
4	4,830	13.1%
5	6,889	18.7%
6	7,599	20.6%
Total	36,881	100.0%

Table 6.3.2.3D
Scaling Equation for Reading

$$\text{Reading Scale Score} = (\text{Ability Measure in Logits} * 26.000) + 323.272$$

Table 6.3.2.3E
Equating Summary: Read 2C S401 Paper
Note: No equating was performed for S401.

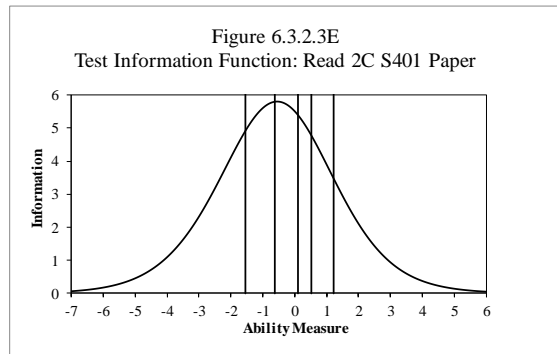
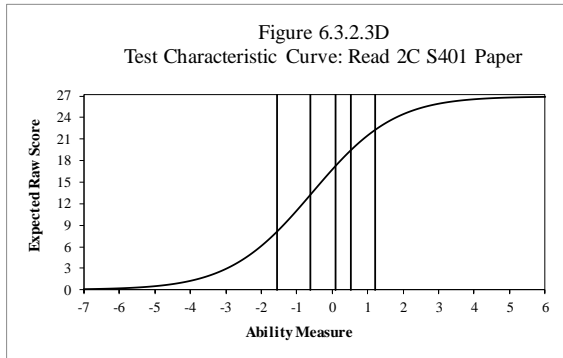


Table 6.3.2.3F
Reliability: Read 2C S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
54,506	27	0.819	2.262

Note that the test form is shared between 1C and 2C.

Table 6.3.2.3G

Complete Item Analysis and Summary: Read 2C S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	-0.48	1.00	1.02
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.R12C_8810_SIp3_ClassJobChart_301_S401_Paper	-2.93	1.02	1.40
2.R12C_8811_SIp4_ClassJobChart_301_S401_Paper	-1.62	0.91	0.80
3.R12C_8814_SIp5_ClassJobChart_301_S401_Paper	-0.97	0.96	0.92
4.R12C_7724_LAp3_ChipmunkHome_203_S401_Paper	-0.01	0.95	0.95
5.R12C_7725_LAp4_ChipmunkHome_203_S401_Paper	-0.33	0.89	0.86
6.R12C_7726_LAp5_ChipmunkHome_203_S401_Paper	0.06	1.11	1.16
7.R12C_8649_MAp3_ClassTripSchedule_301_S401_Paper	-1.12	1.01	1.08
8.R12C_8650_MAp4_ClassTripSchedule_301_S401_Paper	-0.26	0.92	0.91
9.R12C_8651_MAp5_ClassTripSchedule_301_S401_Paper	-0.19	1.04	1.05
10.R12C_11559_SCP3_ResourcefulWater_303_S401_Paper	-0.20	1.01	1.00
11.R12C_11560_SCP4_ResourcefulWater_303_S401_Paper	-0.35	1.00	0.99
12.R12C_11579_SCP5_ResourcefulWater_303_S401_Paper	1.19	1.04	1.15
13.R12C_8827_SSp3_OurNeighborhood_203_S401_Paper	-0.06	0.95	0.90
14.R12C_8828_SSp4_OurNeighborhood_203_S401_Paper	-0.33	0.90	0.83
15.R12C_8829_SSp5_OurNeighborhood_203_S401_Paper	0.06	1.02	1.01
16.R12C_10042_LAp3_JohnnyAppleseed_303_S401_Paper	-1.06	1.03	1.05
17.R12C_10043_LAp4_JohnnyAppleseed_303_S401_Paper	-1.54	0.93	0.85
18.R12C_10044_LAp5_JohnnyAppleseed_303_S401_Paper	-0.06	0.96	0.93
19.R12C_8838_MAp3_WeatherCalendar_301_S401_Paper	-1.76	1.00	0.98
20.R12C_8839_MAp4_WeatherCalendar_301_S401_Paper	0.91	1.28	1.45
21.R12C_8840_MAp5_WeatherCalendar_301_S401_Paper	1.15	1.22	1.44
22.R12C_10224_SCP3_Whales_303_S401_Paper	-0.26	1.06	1.07
23.R12C_10225_SCP4_Whales_303_S401_Paper	-0.07	1.08	1.08
24.R12C_10226_SCP5_Whales_303_S401_Paper	-0.93	1.05	1.17
25.R12C_7746_SSp3_UrbanNeighborhood_203_S401_Paper	-0.02	0.97	0.95
26.R12C_7747_SSp4_UrbanNeighborhood_203_S401_Paper	-1.13	0.89	0.79
27.R12C_7748_SSp5_UrbanNeighborhood_203_S401_Paper	-1.19	0.81	0.70

* No equating was performed for S401. Information on anchored items and their P-values can be found in S303 and S203 Annual Technical Report, Table H.

Note that the test form is shared between 1C and 2C.

Table 6.3.2.3H

DIF Analysis and Summary: Read 2C S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	15	12	17	10
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.R12C_8810_SIp3_ClassJobChart_301_S401_Paper	A	F	A	H
2.R12C_8811_SIp4_ClassJobChart_301_S401_Paper	A	F	A	H
3.R12C_8814_SIp5_ClassJobChart_301_S401_Paper	A	F	A	H
4.R12C_7724_LAp3_ChipmunkHome_203_S401_Paper	A	F	A	H
5.R12C_7725_LAp4_ChipmunkHome_203_S401_Paper	A	F	A	H
6.R12C_7726_LAp5_ChipmunkHome_203_S401_Paper	A	F	A	O
7.R12C_8649_MAp3_ClassTripSchedule_301_S401_Paper	A	F	A	H
8.R12C_8650_MAp4_ClassTripSchedule_301_S401_Paper	A	M	A	H
9.R12C_8651_MAp5_ClassTripSchedule_301_S401_Paper	A	F	A	O
10.R12C_11559_SCP3_ResourcefulWater_303_S401_Paper	A	M	A	O
11.R12C_11560_SCP4_ResourcefulWater_303_S401_Paper	A	M	A	O
12.R12C_11579_SCP5_ResourcefulWater_303_S401_Paper	A	M	A	H
13.R12C_8827_SSp3_OurNeighborhood_203_S401_Paper	A	M	A	H
14.R12C_8828_SSp4_OurNeighborhood_203_S401_Paper	A	M	A	H
15.R12C_8829_SSp5_OurNeighborhood_203_S401_Paper	A	F	A	H
16.R12C_10042_LAp3_JohnnyAppleseed_303_S401_Paper	A	M	A	H
17.R12C_10043_LAp4_JohnnyAppleseed_303_S401_Paper	A	M	A	O
18.R12C_10044_LAp5_JohnnyAppleseed_303_S401_Paper	A	F	A	O
19.R12C_8838_MAp3_WeatherCalendar_301_S401_Paper	A	M	A	H
20.R12C_8839_MAp4_WeatherCalendar_301_S401_Paper	A	F	A	O
21.R12C_8840_MAp5_WeatherCalendar_301_S401_Paper	A	M	A	O
22.R12C_10224_SCP3_Whales_303_S401_Paper	A	M	A	H
23.R12C_10225_SCP4_Whales_303_S401_Paper	A	M	A	H
24.R12C_10226_SCP5_Whales_303_S401_Paper	A	M	A	H
25.R12C_7746_SSp3_UrbanNeighborhood_203_S401_Paper	A	F	A	H
26.R12C_7747_SSp4_UrbanNeighborhood_203_S401_Paper	A	M	A	O
27.R12C_7748_SSp5_UrbanNeighborhood_203_S401_Paper	A	M	A	O

Note that the test form is shared between 1C and 2C.

Table 6.3.2.3I

Raw Score to Scale Score Conversion: Read 2C S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
	Grade 2			
0	150^	88.92	100.00^	271.92
1	216	27.22	188.78	243.22
2	236	19.96	216.04	255.96
3	249	16.81	232.19	265.81
4	259	14.98	244.02	273.98
5	267	13.76	253.24	280.76
6	273	12.91	260.09	285.91
7	279	12.27	266.73	291.27
8	285	11.80	273.20	296.80
9	290	11.45	278.55	301.45
10	295	11.18	283.82	306.18
11	300	10.99	289.01	310.99
12	304	10.87	293.13	314.87
13	309	10.80	298.20	319.80
14	313	10.78	302.22	323.78
15	318	10.83	307.17	328.83
16	322	10.93	311.07	332.93
17	327	11.10	315.90	338.10
18	332	11.34	320.66	343.34
19	337	11.67	325.33	348.67
20	342	12.12	329.88	354.12
21	348	12.71	335.29	360.71
22	355	13.54	341.46	368.54
23	363	14.71	348.29	377.71
24	372	16.49	355.51	388.49
25	381*	18.72	365.28	402.72
26	390*	21.58	382.42	425.58
27	399*	24.96	412.04	461.96

^ Truncated

* Adjusted for end of scale effect

Note that the test form is shared between 1C and 2C.

Table 6.3.2.3J

Raw Score to Proficiency Level Conversion: Read 2C S401 Paper

Raw Score	Grade 2	
	Proficiency Level Score	% of Students
0	1.0	0.0
1	1.4	0.0
2	1.6	0.0
3	1.7	0.1
4	1.8	0.2
5	1.8	0.4
6	1.9	0.8
7	1.9	1.6
8	2.0	2.4
9	2.2	3.3
10	2.5	4.1
11	2.7	4.8
12	2.8	5.4
13	3.1	5.7
14	3.3	6.0
15	3.5	6.3
16	3.7	6.5
17	4.0	6.6
18	4.5	6.5
19	5.0	6.6
20	5.2	6.2
21	5.6	6.0
22	6.0	5.7
23	6.0	5.1
24	6.0	4.1
25	6.0	3.1
26	6.0	1.9
27	6.0	0.7

Note that the test form is shared between 1C and 2C.

6.3.3 Writing 2

6.3.3.1 Writing 2A

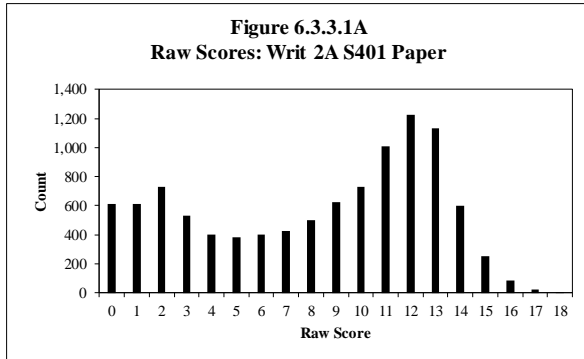


Table 6.3.3.1A

Raw Score Descriptive Statistics: Writ 2A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	10,268	0	18	8.17	4.65

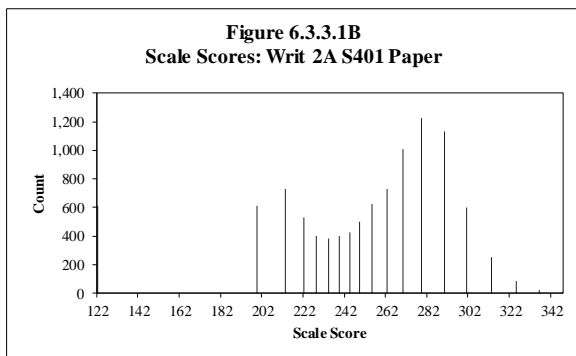


Table 6.3.3.1B

Scale Score Descriptive Statistics: Writ 2A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	10,268	122	347	249.41	44.06

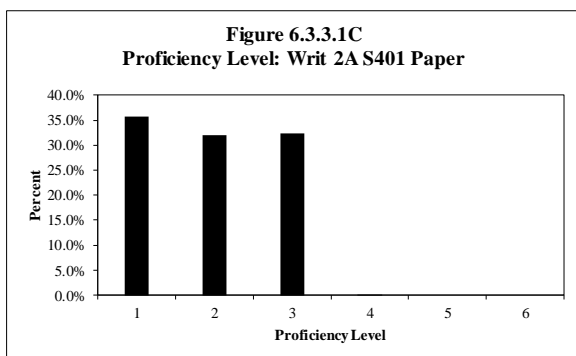


Table 6.3.3.1C

Proficiency Level Distribution: Writ 2A S401 Paper

Level	Count	Percent
1	3,661	35.7%
2	3,293	32.1%
3	3,313	32.3%
4	1	0.0%
5	0	0.0%
6	0	0.0%
Total	10,268	100.0%

Table 6.3.3.1D

Scaling Equation for Writing

Writing Scale Score = (Ability Measure in Logits*26.851) + 303.332

Table 6.3.3.1E

Equating Summary: Writ 2A S401 Paper

Comparison of Forms*	Form 401		Form 400			
	No. of Tasks	Average Difficulty (Std. Dev.)	No. of Tasks	Average Difficulty (Std. Dev.)		
	3	0.11 (0.22)	3	0.83 (0.06)		
	Easiest	Hardest	Easiest	Hardest		
	-0.10	0.33	0.78	0.89		
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)				
	3	0.11 (0.22)				
	No. of Anchors Used	Average Difficulty (Std. Dev.)				
	3	0.11 (0.22)				
	Percentage Anchors	Average Displacement				
	100%	0.01				
Common Rating Scale Step Measures	Anchored Scale Steps					
	Step	Measure				
	1	-2.47				
	2	-2.78				
	3	-2.61				
	4	-1.68				
	5	-0.48				
	6	0.97				
	7	2.25				
	8	3.21				
9	3.59					
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty		
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement
	14259	0.33	-0.13	14257	-0.10	0.16
	14258	0.10	-0.01	14258	0.10	-0.01
	14257	-0.10	0.16	14259	0.33	-0.13

* No equating was performed for the previous series (S400).

Note that the test form is shared between 2A and 3A.

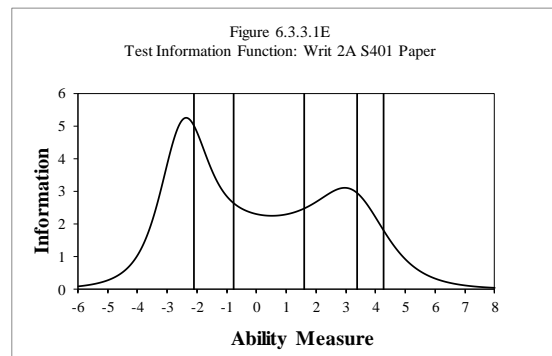
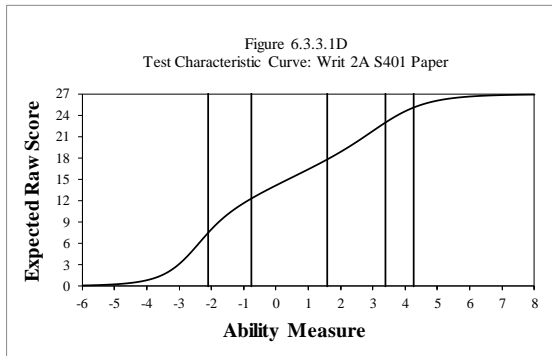


Table 6.3.3.1F

Reliability: Writ 2A S401 Paper

Reliability	No. of Students	No. of Tasks	Cronbach's Alpha		SEM
		17,099	3	0.910	
Interrater Reliability	Task	No. in Sample	%AG	%AD	%NA
	1	6,630	96	3	1
	2	6,304	97	3	0
	3	7,678	97	3	0

Note that the test form is shared between 2A and 3A.

Table 6.7.2.1G

Complete Task Analysis and Summary: Writ 2A S401 Paper

Task Type		Average Task Difficulty (in logits)	No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square
Constructed Response		0.11	3	0.42	0.41
Name	Task Difficulty (in logits)	Anchored?	Fit Statistics		
			Infit Mnsq	Outfit Mnsq	
1.W23A_14257_Slp3_WritingTime_P100_S401_Paper		-0.10	Yes	0.51	0.51
2.W23A_14258_LAp3_Umbrella_203_P100_A302_S401_Paper		0.10	Yes	0.34	0.34
3.W23A_14259_MSp3_GiraffeCheetah_P100_S401_Paper		0.33	Yes	0.40	0.39
Raw Score Distribution by Task	Raw Score	Task 1	Task 2	Task 3	
	0	9.70%	10.00%	18.40%	
	1	18.20%	16.10%	9.90%	
	2	12.70%	8.10%	9.80%	
	3	9.10%	20.20%	21.50%	
	4	24.40%	35.80%	30.20%	
	5	22.60%	8.80%	8.60%	
	6	3.30%	0.90%	1.40%	
	7	0.00%	0.10%	0.10%	
	8	0.00%	0.00%	0.00%	
9	0.00%	0.00%	0.00%		

Note that the test form is shared between 2A and 3A.

Table 6.3.3.1H

DIF Analysis and Summary: Writ 2A S401 Paper

DIF Summary	Male/Female		Hispanic/Other		
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)	
AA	2	1	1	2	
BB	0	0	0	0	
CC	0	0	0	0	
Name	Male/Female		Hispanic/Other		
	DIF Level	Favored Group	DIF Level	Favored Group	
1.W23A_14257_Slp3_WritingTime_P100_S401_Paper		AA	M	AA	H
2.W23A_14258_LAp3_Umbrella_203_P100_A302_S401_Paper		AA	F	AA	O
3.W23A_14259_MSp3_GiraffeCheetah_P100_S401_Paper		AA	M	AA	O

Note that the test form is shared between 2A and 3A.

Table 6.3.3.1I

Raw Score to Scale Score Conversion: Writ 2A S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	122^	135.33	100.00^	308.33
1	199	23.41	175.59	222.41
2	213	16.41	196.59	229.41
3	222	13.77	208.23	235.77
4	228	12.51	215.49	240.51
5	234	11.90	222.10	245.90
6	239	11.71	227.29	250.71
7	244	11.84	232.16	255.84
8	249	12.27	236.73	261.27
9	255	13.02	241.98	268.02
10	262	14.02	247.98	276.02
11	270	15.20	254.80	285.20
12	279	16.27	262.73	295.27
13	290	17.10	272.90	307.10
14	301	17.64	283.36	318.64
15	313	17.88	295.12	330.88
16	325	17.83	307.17	342.83
17	336	17.51	318.49	353.51
18	347	16.97	330.03	363.97
19	358	16.33	341.67	374.33
20	367	15.73	351.27	382.73
21	376	15.33	360.67	391.33
22	385	15.25	369.75	400.25
23	394	15.65	378.35	409.65
24	403	16.81	386.19	419.81
25	415	19.41	395.59	434.41
26	434	26.50	407.50	460.50
27	465	48.41	416.59	513.41

^ Truncated

Note that the test form is shared between 2A and 3A.

Table 6.3.3.1J

Raw Score to Proficiency Level Conversion: Writ 2A S401 Paper

Raw Score	Grade 2	
	Proficiency Level Score	% of Students
0	1.0	6.0
1	1.6	6.0
2	1.7	7.1
3	1.8	5.2
4	1.8	3.9
5	1.9	3.7
6	1.9	3.9
7	2.0	4.2
8	2.1	4.9
9	2.3	6.1
10	2.5	7.1
11	2.7	9.8
12	3.0	11.9
13	3.1	11.0
14	3.3	5.8
15	3.5	2.4
16	3.7	0.8
17	3.9	0.2
18	4.1	0.0
19	4.3	0.0
20	4.5	0.0
21	4.7	0.0
22	4.9	0.0
23	5.2	0.0
24	5.6	0.0
25	6.0	0.0
26	6.0	0.0
27	6.0	0.0

Note that the test form is shared between 2A and 3A.

6.3.3.2 Writing 2B

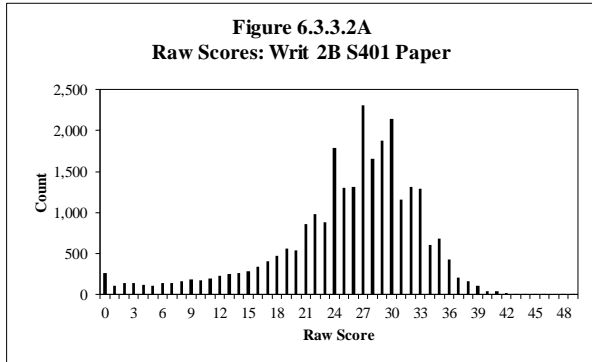


Table 6.3.3.2A

Raw Score Descriptive Statistics: Writ 2B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	26,348	0	49	25.26	7.72

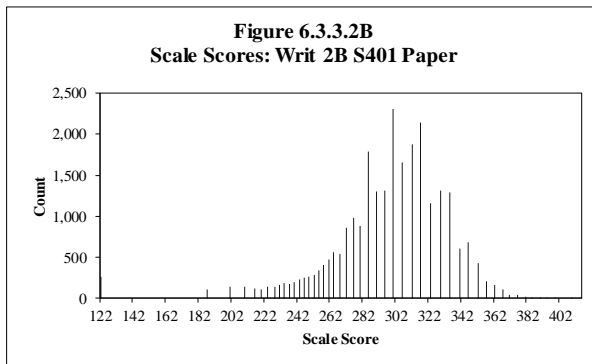


Table 6.3.3.2B

Scale Score Descriptive Statistics: Writ 2B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	26,348	122	415	295.09	37.06

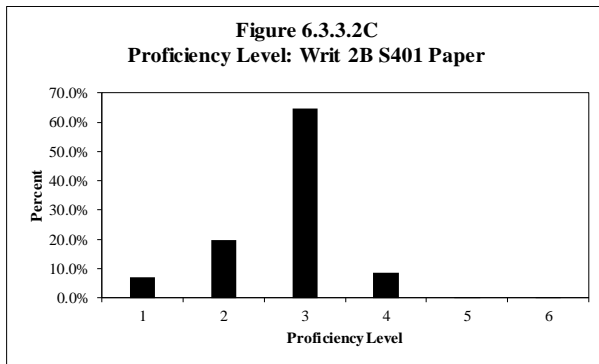


Table 6.3.3.2C

Proficiency Level Distribution: Writ 2B S401 Paper

Level	Count	Percent
1	1,857	7.0%
2	5,178	19.7%
3	17,028	64.6%
4	2,274	8.6%
5	10	0.0%
6	1	0.0%
Total	26,348	100.0%

Table 6.3.3.2D

Scaling Equation for Writing

Writing Scale Score = (Ability Measure in Logits*26.851) + 303.332

Table 6.3.3.2E

Equating Summary: Writ 2B S401 Paper

Comparison of Forms*	Form 401		Form 400			
	No. of Tasks	Average Difficulty (Std. Dev.)	No. of Tasks	Average Difficulty (Std. Dev.)		
	3	0.47 (0.55)	3	0.16 (0.26)		
	Easiest	Hardest	Easiest	Hardest		
-0.14	0.95	-0.11	0.41			
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)				
	2	0.77 (0.26)				
	No. of Anchors Used	Average Difficulty (Std. Dev.)				
	1	0.58 (N/A)				
	Percentage Anchors	Average Displacement				
33%	0.00					
Common Rating Scale Step Measures	Anchored Scale Steps					
	Step	Measure				
	1	-2.47				
	2	-2.78				
	3	-2.61				
	4	-1.68				
	5	-0.48				
	6	0.97				
	7	2.25				
	8	3.21				
9	3.59					
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty		
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement
	14261	0.58	0.00	14261	0.58	0.00

* No equating was performed for the previous series (S400).

Note that the test form is shared between 2B, 2C, 3B, and 3C.

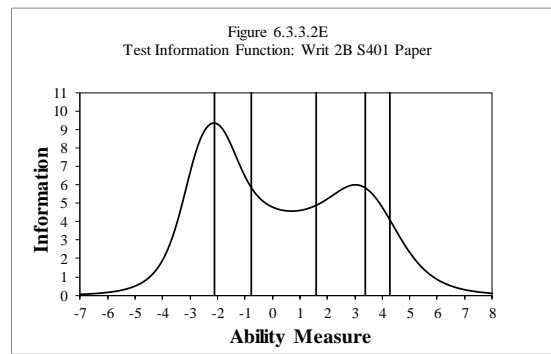
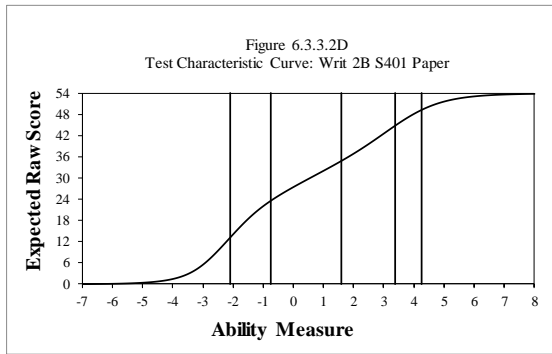


Table 6.3.3.2F

Reliability: Writ 2B S401 Paper

Reliability	No. of Students	No. of Tasks	Cronbach's Alpha		SEM
		117,759	3	0.932	
Interrater Reliability	Task	No. in Sample	%AG	%AD	%NA
	1	27,522	95	5	0
	2	27,788	93	6	0
	3	28,058	95	5	0

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.3.3.2G

Complete Task Analysis and Summary: Writ 2B S401 Paper

Task Type	Average Task Difficulty (in logits)	No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square
Constructed Response	0.47	3	0.56	0.55
Name	Task Difficulty (in logits)	Anchored?	Fit Statistics	
			Infit Mnsq	Outfit Mnsq
1.W23BC_14260_SIp4_GrownUpJobs_203_P100_A302_S401_Paper	0.95		0.82	0.81
2.W23BC_14261_MSp5_Plants_MaBaPaLe_P100_A203_S401_Paper	0.58	Yes	0.53	0.52
3.W23BC_14480_ITp5_LibrarySale_401_S401_Paper	-0.14		0.33	0.31
Raw Score Distribution by Task	Raw Score	Task 1	Task 2	Task 3
	0	0.90%	1.20%	1.40%
	1	1.10%	1.40%	1.20%
	2	2.70%	2.40%	2.10%
	3	6.40%	7.70%	4.60%
	4	34.30%	28.80%	15.70%
	5	39.60%	38.00%	35.80%
	6	13.10%	17.70%	31.70%
	7	1.70%	2.60%	6.50%
	8	0.20%	0.30%	0.80%
9	0.00%	0.00%	0.10%	

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.3.3.2H

DIF Analysis and Summary: Writ 2B S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	1	2	1	2
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.W23BC_14260_SIp4_GrownUpJobs_203_P100_A302_S401_Paper	AA	F	AA	O
2.W23BC_14261_MSp5_Plants_MaBaPaLe_P100_A203_S401_Paper	AA	F	AA	O
3.W23BC_14480_ITp5_LibrarySale_401_S401_Paper	AA	M	AA	H

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.3.3.21

Raw Score to Scale Score Conversion: Writ 2B S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound	Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	122^	100.42	100.00^	259.42	34	341	12.30	328.70	353.30
1	187	24.19	162.81	211.19	35	346	12.14	333.86	358.14
2	201	16.54	184.46	217.54	36	352	11.95	340.05	363.95
3	210	13.45	196.55	223.45	37	357	11.73	345.27	368.73
4	216	11.79	204.21	227.79	38	362	11.52	350.48	373.52
5	220	10.77	209.23	230.77	39	367	11.33	355.67	378.33
6	224	10.10	213.90	234.10	40	371	11.17	359.83	382.17
7	228	9.64	218.36	237.64	41	376	11.06	364.94	387.06
8	231	9.32	221.68	240.32	42	381	10.98	370.02	391.98
9	234	9.10	224.90	243.10	43	385	10.98	374.02	395.98
10	237	8.94	228.06	245.94	44	390	11.04	378.96	401.04
11	240	8.86	231.14	248.86	45	394	11.14	382.86	405.14
12	243	8.81	234.19	251.81	46	399	11.38	387.62	410.38
13	246	8.78	237.22	254.78	47	404	11.71	392.29	415.71
14	249	8.81	240.19	257.81	48	409	12.19	396.81	421.19
15	252	8.89	243.11	260.89	49	415	12.92	402.08	427.92
16	255	9.00	246.00	264.00	50	422	13.99	408.01	435.99
17	258	9.13	248.87	267.13	51	430	15.73	414.27	445.73
18	261	9.32	251.68	270.32	52	441	18.88	422.12	459.88
19	264	9.56	254.44	273.56	53	459	26.45	432.55	485.45
20	268	9.85	258.15	277.85	54	490	48.60	441.40	538.60
21	272	10.20	261.80	282.20					
22	276	10.55	265.45	286.55					
23	280	10.96	269.04	290.96					
24	285	11.33	273.67	296.33					
25	290	11.65	278.35	301.65					
26	295	11.95	283.05	306.95					
27	300	12.19	287.81	312.19					
28	306	12.38	293.62	318.38					
29	312	12.49	299.51	324.49					
30	317	12.57	304.43	329.57					
31	323	12.57	310.43	335.57					
32	329	12.51	316.49	341.51					
33	335	12.43	322.57	347.43					

^ Truncated

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.3.3.2J

Raw Score to Proficiency Level Conversion: Writ 2B S401 Paper

Raw Score	Grade 2	
	Proficiency Level Score	% of Students
0	1.0	1.0
1	1.5	0.4
2	1.6	0.5
3	1.7	0.5
4	1.7	0.4
5	1.8	0.4
6	1.8	0.5
7	1.8	0.5
8	1.9	0.6
9	1.9	0.7
10	1.9	0.6
11	1.9	0.7
12	2.0	0.9
13	2.1	1.0
14	2.1	1.0
15	2.2	1.1
16	2.3	1.3
17	2.4	1.5
18	2.5	1.8
19	2.5	2.1
20	2.7	2.1
21	2.8	3.2
22	2.9	3.7
23	3.0	3.3
24	3.0	6.8
25	3.1	4.9
26	3.2	5.0
27	3.3	8.8
28	3.4	6.3
29	3.5	7.1
30	3.6	8.1
31	3.7	4.4
32	3.8	5.0
33	3.9	4.9
34	4.0	2.3
35	4.1	2.6
36	4.2	1.6
37	4.3	0.8
38	4.4	0.6
39	4.5	0.4
40	4.6	0.2
41	4.7	0.1
42	4.8	0.0
43	4.9	0.0
44	5.0	0.0
45	5.2	0.0
46	5.4	0.0
47	5.6	0.0
48	5.9	0.0
49	6.0	0.0
50	6.0	0.0
51	6.0	0.0
52	6.0	0.0
53	6.0	0.0
54	6.0	0.0

Note that the test form is shared between 2B, 2C, 3B, and 3C.

6.3.3.3 Writing 2C

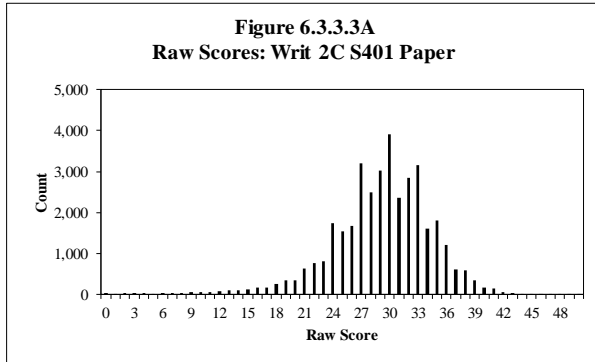


Table 6.3.3.3A

Raw Score Descriptive Statistics: Writ 2C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	36,884	0	50	29.06	5.53

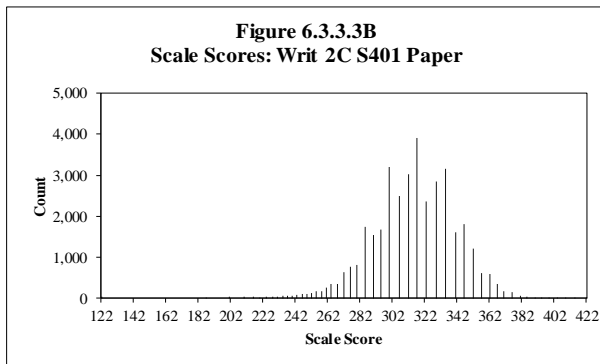


Table 6.3.3.3B

Scale Score Descriptive Statistics: Writ 2C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	36,884	122	422	313.47	28.17

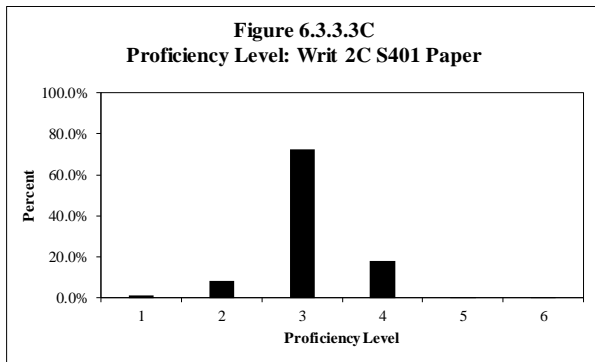


Table 6.3.3.3C

Proficiency Level Distribution: Writ 2C S401 Paper

Level	Count	Percent
1	445	1.2%
2	3,100	8.4%
3	26,728	72.5%
4	6,567	17.8%
5	40	0.1%
6	4	0.0%
Total	36,884	100.0%

Table 6.3.3.3D

Scaling Equation for Writing

Writing Scale Score = (Ability Measure in Logits*26.851) + 303.332

Table 6.3.3.3E

Equating Summary: Writ 2C S401 Paper

Comparison of Forms*	Form 401			Form 400					
	No. of Tasks	Average Difficulty (Std. Dev.)		No. of Tasks	Average Difficulty (Std. Dev.)				
	3	0.47 (0.55)		3	0.16 (0.26)				
	Easiest	Hardest		Easiest	Hardest				
-0.14	0.95		-0.11	0.41					
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)							
	2	0.77 (0.26)							
	No. of Anchors Used	Average Difficulty (Std. Dev.)							
	1	0.58 (N/A)							
	Percentage Anchors	Average Displacement							
33%	0.00								
Common Rating Scale Step Measures	Anchored Scale Steps								
	Step	Measure							
	1	-2.47							
	2	-2.78							
	3	-2.61							
	4	-1.68							
	5	-0.48							
	6	0.97							
	7	2.25							
	8	3.21							
9	3.59								
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty					
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement			
	14261	0.58	0.00	14261	0.58	0.00			

* No equating was performed for the previous series (S400).

Note that the test form is shared between 2B, 2C, 3B, and 3C.

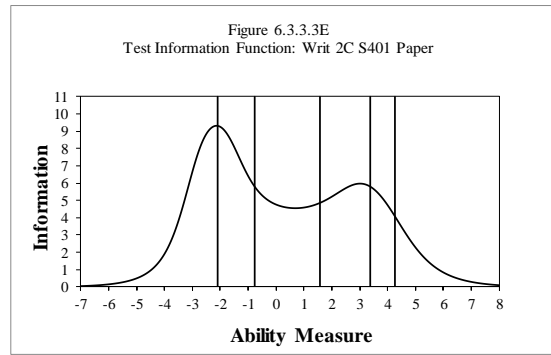
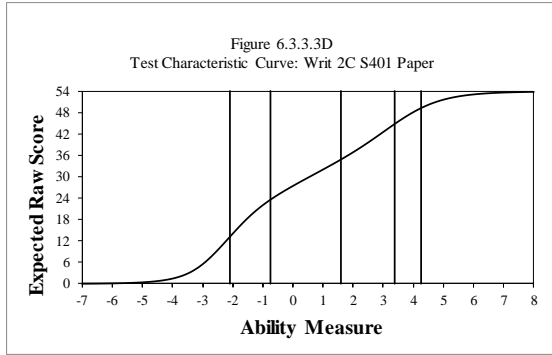


Table 6.3.3.3F

Reliability: Writ 2C S401 Paper

Reliability	No. of Students	No. of Tasks	Cronbach's Alpha		SEM
		117,759	3	0.932	
Interrater Reliability	Task	No. in Sample	%AG	%AD	%NA
	1	27,522	95	5	0
	2	27,788	93	6	0
	3	28,058	95	5	0

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.3.3.3G

Complete Task Analysis and Summary: Writ 2C S401 Paper

Task Type	Average Task Difficulty (in logits)	No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square
Constructed Response	0.47	3	0.56	0.55
Name	Task Difficulty (in logits)	Anchored?	Fit Statistics	
			Infit Mnsq	Outfit Mnsq
1.W23BC_14260_Slp4_GrownUpJobs_203_P100_A302_S401_Paper	0.95		0.82	0.81
2.W23BC_14261_MSp5_Plants_MaBaPaLe_P100_A203_S401_Paper	0.58	Yes	0.53	0.52
3.W23BC_14480_ITp5_LibrarySale_401_S401_Paper	-0.14		0.33	0.31
Raw Score Distribution by Task	Raw Score	Task 1	Task 2	Task 3
	0	0.90%	1.20%	1.40%
	1	1.10%	1.40%	1.20%
	2	2.70%	2.40%	2.10%
	3	6.40%	7.70%	4.60%
	4	34.30%	28.80%	15.70%
	5	39.60%	38.00%	35.80%
	6	13.10%	17.70%	31.70%
	7	1.70%	2.60%	6.50%
	8	0.20%	0.30%	0.80%
9	0.00%	0.00%	0.10%	

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.3.3.3H

DIF Analysis and Summary: Writ 2C S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
DIF Level	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	1	2	1	2
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.W23BC_14260_Slp4_GrownUpJobs_203_P100_A302_S401_Paper	AA	F	AA	O
2.W23BC_14261_MSp5_Plants_MaBaPaLe_P100_A203_S401_Paper	AA	F	AA	O
3.W23BC_14480_ITp5_LibrarySale_401_S401_Paper	AA	M	AA	H

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.3.3.3I

Raw Score to Scale Score Conversion: Writ 2C S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound	Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	122^	100.42	100.00^	259.42	34	341	12.30	328.70	353.30
1	187	24.19	162.81	211.19	35	346	12.14	333.86	358.14
2	201	16.54	184.46	217.54	36	352	11.95	340.05	363.95
3	210	13.45	196.55	223.45	37	357	11.73	345.27	368.73
4	216	11.79	204.21	227.79	38	362	11.52	350.48	373.52
5	220	10.77	209.23	230.77	39	367	11.33	355.67	378.33
6	224	10.10	213.90	234.10	40	371	11.17	359.83	382.17
7	228	9.64	218.36	237.64	41	376	11.06	364.94	387.06
8	231	9.32	221.68	240.32	42	381	10.98	370.02	391.98
9	234	9.10	224.90	243.10	43	385	10.98	374.02	395.98
10	237	8.94	228.06	245.94	44	390	11.04	378.96	401.04
11	240	8.86	231.14	248.86	45	394	11.14	382.86	405.14
12	243	8.81	234.19	251.81	46	399	11.38	387.62	410.38
13	246	8.78	237.22	254.78	47	404	11.71	392.29	415.71
14	249	8.81	240.19	257.81	48	409	12.19	396.81	421.19
15	252	8.89	243.11	260.89	49	415	12.92	402.08	427.92
16	255	9.00	246.00	264.00	50	422	13.99	408.01	435.99
17	258	9.13	248.87	267.13	51	430	15.73	414.27	445.73
18	261	9.32	251.68	270.32	52	441	18.88	422.12	459.88
19	264	9.56	254.44	273.56	53	459	26.45	432.55	485.45
20	268	9.85	258.15	277.85	54	490	48.60	441.40	538.60
21	272	10.20	261.80	282.20					
22	276	10.55	265.45	286.55					
23	280	10.96	269.04	290.96					
24	285	11.33	273.67	296.33					
25	290	11.65	278.35	301.65					
26	295	11.95	283.05	306.95					
27	300	12.19	287.81	312.19					
28	306	12.38	293.62	318.38					
29	312	12.49	299.51	324.49					
30	317	12.57	304.43	329.57					
31	323	12.57	310.43	335.57					
32	329	12.51	316.49	341.51					
33	335	12.43	322.57	347.43					

^ Truncated

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.3.3.3J

Raw Score to Proficiency Level Conversion: Writ 2C S401 Paper

Raw Score	Grade 2	
	Proficiency Level Score	% of Students
0	1.0	0.1
1	1.5	0.0
2	1.6	0.1
3	1.7	0.1
4	1.7	0.1
5	1.8	0.0
6	1.8	0.1
7	1.8	0.1
8	1.9	0.1
9	1.9	0.1
10	1.9	0.1
11	1.9	0.1
12	2.0	0.2
13	2.1	0.2
14	2.1	0.3
15	2.2	0.3
16	2.3	0.4
17	2.4	0.5
18	2.5	0.7
19	2.5	1.0
20	2.7	1.0
21	2.8	1.7
22	2.9	2.1
23	3.0	2.2
24	3.0	4.7
25	3.1	4.2
26	3.2	4.5
27	3.3	8.7
28	3.4	6.8
29	3.5	8.2
30	3.6	10.6
31	3.7	6.4
32	3.8	7.7
33	3.9	8.6
34	4.0	4.3
35	4.1	4.9
36	4.2	3.3
37	4.3	1.7
38	4.4	1.6
39	4.5	0.9
40	4.6	0.5
41	4.7	0.4
42	4.8	0.2
43	4.9	0.1
44	5.0	0.1
45	5.2	0.0
46	5.4	0.0
47	5.6	0.0
48	5.9	0.0
49	6.0	0.0
50	6.0	0.0
51	6.0	0.0
52	6.0	0.0
53	6.0	0.0
54	6.0	0.0

Note that the test form is shared between 2B, 2C, 3B, and 3C.

6.3.4 Speaking 2

6.3.4.1 Speaking 2A

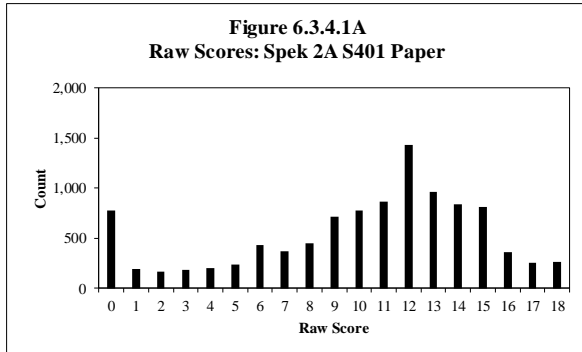


Table 6.3.4.1A

Raw Score Descriptive Statistics: Spek 2A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	10,265	0	18	10.12	4.72

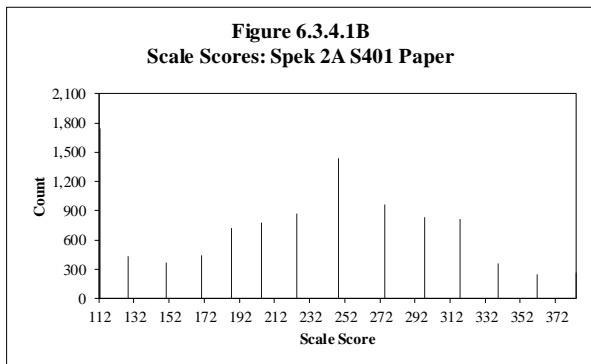


Table 6.3.4.1B

Scale Score Descriptive Statistics: Spek 2A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	10,265	112	383	224.64	77.23

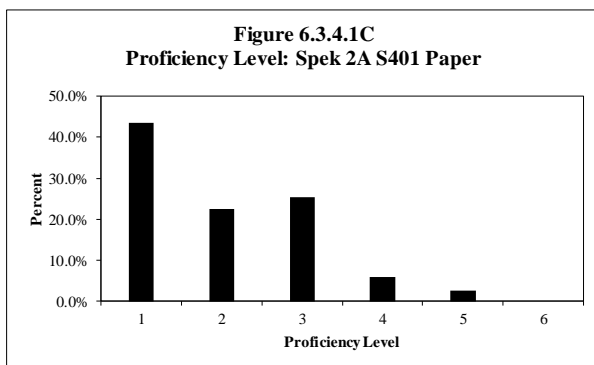


Table 6.3.4.1C

Proficiency Level Distribution: Spek 2A S401 Paper

Level	Count	Percent
1	4,479	43.6%
2	2,303	22.4%
3	2,613	25.5%
4	608	5.9%
5	262	2.6%
6	0	0.0%
Total	10,265	100.0%

Table 6.3.4.1D

Scaling Equation for Speaking

Speaking Scale Score = (Ability Measure in Logits*29.248) + 265.076
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Table 6.3.4.1E

Equating Summary: Spek 2A S401 Paper

Comparison of Forms*	Form 401			Form 400				
	No. of Tasks	Average Difficulty (Std. Dev.)		No. of Tasks	Average Difficulty (Std. Dev.)			
	10	-1.78 (3.01)		10	0.00 (2.84)			
	Easiest	Hardest		Easiest	Hardest			
-6.11	1.07		-4.30	2.59				
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)						
	10	-1.78 (3.01)						
	No. of Anchors Used	Average Difficulty (Std. Dev.)						
	7	0.05 (0.68)						
	Percentage Anchors	Average Displacement						
70%	-0.02							
Rating Scale Step Measures by Task	Anchored Scale Steps							
	Task	Step	Measure					
	PL 1 Tasks	1	0.56					
		2	-0.56					
	PL 3/PL 5 Tasks	1	-2.65					
		2	-1.80					
		3	1.46					
		4	2.98					
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty				
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement		
	14582	-0.26	-0.24	14569	-0.93	0.04		
	14202	0.20	-0.12	14571	-0.58	0.06		
	14570	0.48	-0.03	14582	-0.26	-0.24		
	14569	-0.93	0.04	14202	0.20	-0.12		
	14572	1.07	0.04	14581	0.38	0.12		
	14571	-0.58	0.06	14570	0.48	-0.03		
	14581	0.38	0.12	14572	1.07	0.04		

* No equating was performed for the previous series (S400).

Note that this table includes all tasks across tiers for this cluster, and that Cluster 2 and Cluster 3 share the same form.

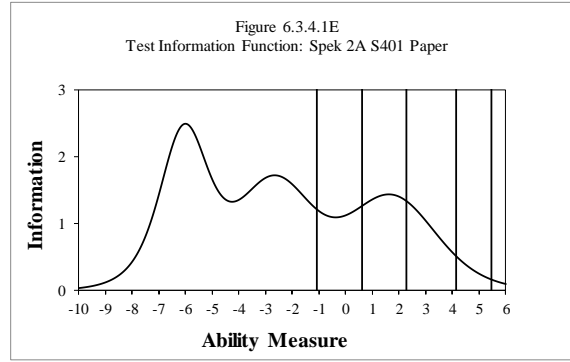
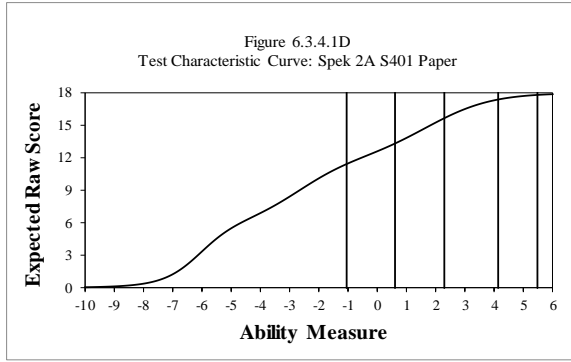


Table 6.3.4.1F

Reliability: Spek 2A S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
17,093	6	0.921	1.341

Note that the test form is shared between 2A and 3A.

Table 6.3.4.1G

Complete Task Analysis and Summary: Spek 2A S401 Paper

Task Type	Average Task Difficulty (in logits)		No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square	
Constructed Response	-1.78		12	0.58	0.50	
Name	Tier	Task Difficulty (in logits)	Anchored?	Fit Statistics		
				Infit Mnsq	Outfit Mnsq	
1.S23A_SL_Playground_401_14579_P1	A	-6.11		0.61	0.22	
2.S23A_SL_Playground_401_14580_P3	A*	-0.93	Yes	0.66	0.70	
3.S23C_SL_Playground_401_14569_P3	B/C*	-0.93	Yes	0.66	0.70	
4.S23C_SL_Playground_401_V2_14570_P5	B/C	0.48	Yes	0.59	0.62	
5.S23A_LA_ClassGarden_P100_New_ALT_14201_P1_401	A	-5.98		0.50	0.23	
6.S23A_LA_ClassGarden_P100_New_ALT_14202_P3_401	A	0.20	Yes	0.50	0.51	
7.S23C_LS_ClassGarden_401_14581_P3	B/C	0.38	Yes	0.54	0.56	
8.S23C_LS_ClassGarden_401_14582_P5	B/C	-0.26	Yes	0.59	0.61	
9.S23A_MS_WaterCycle_401_V1_14575_P1	A	-6.10		0.47	0.17	
10.S23A_MS_WaterCycle_401_V1_14576_P3	A*	-0.58	Yes	0.60	0.62	
11.S23C_MS_WaterCycle_401_V1_14571_P3	B/C*	-0.58	Yes	0.60	0.62	
12.S23C_MS_WaterCycle_401_V1_14572_P5	B/C	1.07	Yes	0.74	0.76	
Raw Score Distribution by Task	Raw Score					
	Task	0	1	2	3	4
	Task 1	11.17%	14.88%	73.95%	N/A	N/A
	Task 2	2.21%	5.21%	28.09%	39.77%	24.71%
	Task 3	2.21%	5.21%	28.09%	39.77%	24.71%
	Task 4	0.68%	7.12%	34.17%	39.29%	18.75%
	Task 5	13.21%	15.31%	71.48%	N/A	N/A
	Task 6	15.88%	26.81%	32.16%	19.04%	6.11%
	Task 7	0.43%	4.33%	30.99%	40.34%	23.91%
	Task 8	0.81%	6.63%	29.56%	39.89%	23.12%
	Task 9	12.82%	15.09%	72.08%	N/A	N/A
	Task 10	2.91%	8.35%	28.04%	37.30%	23.40%
	Task 11	2.91%	8.35%	28.04%	37.30%	23.40%
Task 12	1.53%	14.14%	37.05%	32.11%	15.16%	

* Task is shared between A and B/C.

Note that this table includes all tasks across tiers for this cluster, and that Cluster 2 and Cluster 3 share the same form.

Table 6.3.4.1H

DIF Analysis and Summary: Spek 2A S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
DIF Level	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	2	4	3	3
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.S23A_14579_Slp1_Playground_401_S401_Paper	AA	M	AA	O
2.S23A_14580_Slp3_Playground_401_S401_Paper	AA	M	AA	O
3.S23A_14201_LAp1_ClassGarden_P100_New_ALT_S401_Paper	AA	F	AA	H
4.S23A_14202_LAp3_ClassGarden_P100_New_ALT_S401_Paper	AA	F	AA	H
5.S23A_14575_MSp1_WaterCycle_401_V1_S401_Paper	AA	F	AA	H
6.S23A_14576_MSp3_WaterCycle_401_V1_S401_Paper	AA	F	AA	O

Note that the test form is shared between 2A and 3A.

Table 6.3.4.1I

Raw Score to Scale Score Conversion: Spek 2A S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	112^	21.35	100.00^	100.00^
1	112^	21.35	100.00^	100.00^
2	112^	21.35	100.00^	100.00^
3	112^	21.35	100.00^	106.35
4	112^	21.35	100.00^	118.35
5	112^	21.35	100.00^	131.35
6	128	24.57	103.43	152.57
7	150	24.86	125.14	174.86
8	170	23.11	146.89	193.11
9	187	22.23	164.77	209.23
10	204	23.11	180.89	227.11
11	224	25.45	198.55	249.45
12	248	27.79	220.21	275.79
13	274	26.62	247.38	300.62
14	297	24.86	272.14	321.86
15	317	24.57	292.43	341.57
16	339	26.03	312.97	365.03
17	361*	31.00	336.00	398.00
18	383*	39.48	368.52	447.48

^ Truncated

* Adjusted for end of scale effect

Note that the test form is shared between 2A and 3A.

Table 6.3.4.1J

Raw Score to Proficiency Level Conversion: Spek 2A S401 Paper

Raw Score	Grade 2	
	Proficiency Level Score	% of Students
0	1.0	7.6
1	1.0	1.9
2	1.0	1.6
3	1.0	1.8
4	1.0	1.9
5	1.0	2.3
6	1.1	4.2
7	1.3	3.6
8	1.5	4.4
9	1.6	7.0
10	1.8	7.5
11	2.0	8.5
12	2.5	14.0
13	3.0	9.4
14	3.4	8.1
15	3.8	7.9
16	4.3	3.5
17	4.7	2.4
18	5.2	2.6

Note that the test form is shared between 2A and 3A.

6.3.4.2 Speaking 2B

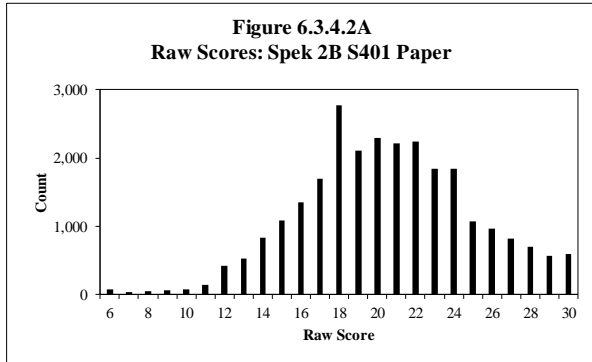


Table 6.3.4.2A

Raw Score Descriptive Statistics: Spek 2B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	26,342	6	30	20.48	4.43

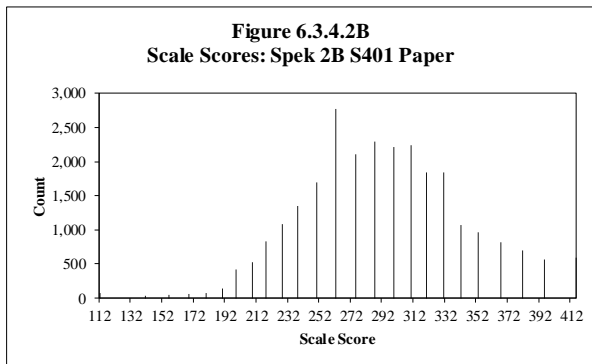


Table 6.3.4.2B

Scale Score Descriptive Statistics: Spek 2B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	26,342	112	415	292.10	51.68

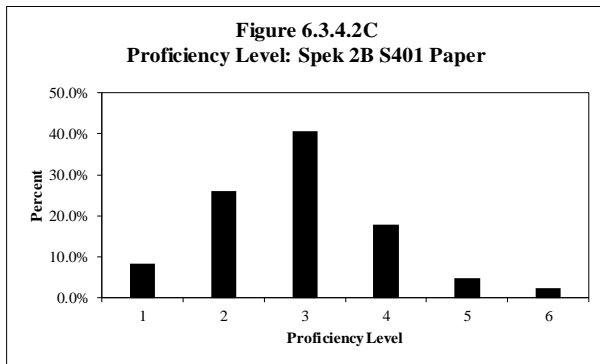


Table 6.3.4.2C

Proficiency Level Distribution: Spek 2B S401 Paper

Level	Count	Percent
1	2,218	8.4%
2	6,882	26.1%
3	10,691	40.6%
4	4,696	17.8%
5	1,258	4.8%
6	597	2.3%
Total	26,342	100.0%

Table 6.3.4.2D

Scaling Equation for Speaking

Speaking Scale Score = (Ability Measure in Logits*29.248) + 265.076
--

Table 6.3.4.2E

Equating Summary: Spek 2B S401 Paper

Comparison of Forms*	Form 401			Form 400				
	No. of Tasks	Average Difficulty (Std. Dev.)		No. of Tasks	Average Difficulty (Std. Dev.)			
	10	-1.78 (3.01)		10	0.00 (2.84)			
	Easiest	Hardest		Easiest	Hardest			
-6.11	1.07		-4.30	2.59				
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)						
	10	-1.78 (3.01)						
	No. of Anchors Used	Average Difficulty (Std. Dev.)						
	7	0.05 (0.68)						
	Percentage Anchors	Average Displacement						
70%	-0.02							
Rating Scale Step Measures by Task	Anchored Scale Steps							
	Task	Step	Measure					
	PL 1 Tasks	1	0.56					
		2	-0.56					
	PL 3/PL 5 Tasks	1	-2.65					
		2	-1.80					
		3	1.46					
4		2.98						
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty				
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement		
	14582	-0.26	-0.24	14569	-0.93	0.04		
	14202	0.20	-0.12	14571	-0.58	0.06		
	14570	0.48	-0.03	14582	-0.26	-0.24		
	14569	-0.93	0.04	14202	0.20	-0.12		
	14572	1.07	0.04	14581	0.38	0.12		
	14571	-0.58	0.06	14570	0.48	-0.03		
	14581	0.38	0.12	14572	1.07	0.04		

* No equating was performed for the previous series (S400).

Note that this table includes all tasks across tiers for this cluster, and that Cluster 2 and Cluster 3 share the same form.

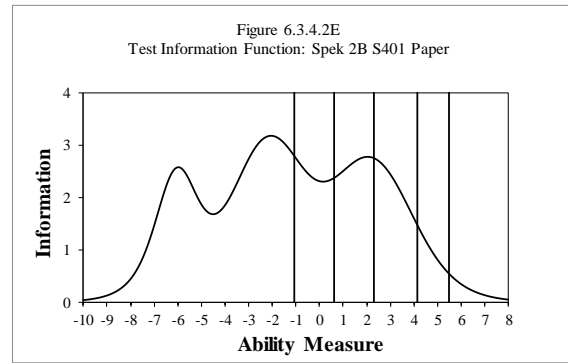
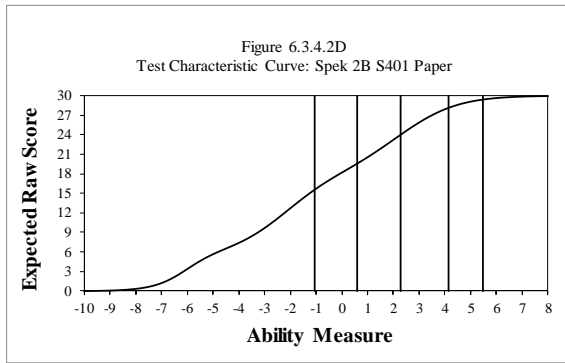


Table 6.3.4.2F

Reliability: Spek 2B S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
117,724	6	0.912	1.315

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.3.4.2G

Complete Task Analysis and Summary: Spek 2B S401 Paper

Task Type	Average Task Difficulty (in logits)		No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square	
Constructed Response	-1.78		12	0.58	0.50	
Name	Tier	Task Difficulty (in logits)	Anchored?	Fit Statistics		
				Infit Mnsq	Outfit Mnsq	
1.S23A_SL_Playground_401_14579_P1	A	-6.11		0.61	0.22	
2.S23A_SL_Playground_401_14580_P3	A*	-0.93	Yes	0.66	0.70	
3.S23C_SL_Playground_401_14569_P3	B/C*	-0.93	Yes	0.66	0.70	
4.S23C_SL_Playground_401_V2_14570_P5	B/C	0.48	Yes	0.59	0.62	
5.S23A_LA_ClassGarden_P100_New_ALT_14201_P1_401	A	-5.98		0.50	0.23	
6.S23A_LA_ClassGarden_P100_New_ALT_14202_P3_401	A	0.20	Yes	0.50	0.51	
7.S23C_LS_ClassGarden_401_14581_P3	B/C	0.38	Yes	0.54	0.56	
8.S23C_LS_ClassGarden_401_14582_P5	B/C	-0.26	Yes	0.59	0.61	
9.S23A_MS_WaterCycle_401_V1_14575_P1	A	-6.10		0.47	0.17	
10.S23A_MS_WaterCycle_401_V1_14576_P3	A*	-0.58	Yes	0.60	0.62	
11.S23C_MS_WaterCycle_401_V1_14571_P3	B/C*	-0.58	Yes	0.60	0.62	
12.S23C_MS_WaterCycle_401_V1_14572_P5	B/C	1.07	Yes	0.74	0.76	
Raw Score Distribution by Task	Raw Score					
	Task	0	1	2	3	4
	Task 1	11.17%	14.88%	73.95%	N/A	N/A
	Task 2	2.21%	5.21%	28.09%	39.77%	24.71%
	Task 3	2.21%	5.21%	28.09%	39.77%	24.71%
	Task 4	0.68%	7.12%	34.17%	39.29%	18.75%
	Task 5	13.21%	15.31%	71.48%	N/A	N/A
	Task 6	15.88%	26.81%	32.16%	19.04%	6.11%
	Task 7	0.43%	4.33%	30.99%	40.34%	23.91%
	Task 8	0.81%	6.63%	29.56%	39.89%	23.12%
	Task 9	12.82%	15.09%	72.08%	N/A	N/A
	Task 10	2.91%	8.35%	28.04%	37.30%	23.40%
	Task 11	2.91%	8.35%	28.04%	37.30%	23.40%
Task 12	1.53%	14.14%	37.05%	32.11%	15.16%	

* Task is shared between A and B/C.

Note that this table includes all tasks across tiers for this cluster, and that Cluster 2 and Cluster 3 share the same form.

Table 6.3.4.2H

DIF Analysis and Summary: Spek 2B S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
DIF Level	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	2	4	3	3
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.S23C_14569_Slp3_Playground_401_V2_S401_Paper	AA	M	AA	H
2.S23C_14570_Slp5_Playground_401_V2_S401_Paper	AA	F	AA	H
3.S23C_14581_LSp3_ClassGarden_401_S401_Paper	AA	F	AA	O
4.S23C_14582_LSp5_ClassGarden_401_S401_Paper	AA	F	AA	O
5.S23C_14571_MAp3_WaterCycle_401_V1_S401_Paper	AA	F	AA	H
6.S23C_14572_MAp5_WaterCycle_401_V1_S401_Paper	AA	M	AA	O

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.3.4.2I

Raw Score to Scale Score Conversion: Spek 2B S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
6	112^	20.47	103.53	144.47
7	141	22.23	118.77	163.23
8	156	20.18	135.82	176.18
9	169	18.43	150.57	187.43
10	180	17.26	162.74	197.26
11	190	16.67	173.33	206.67
12	199	16.38	182.62	215.38
13	209	16.38	192.62	225.38
14	218	16.67	201.33	234.67
15	228	17.26	210.74	245.26
16	238	17.84	220.16	255.84
17	250	18.72	231.28	268.72
18	262	19.30	242.70	281.30
19	275	19.30	255.70	294.30
20	287	18.72	268.28	305.72
21	299	18.13	280.87	317.13
22	310	17.84	292.16	327.84
23	320	17.55	302.45	337.55
24	331	17.55	313.45	348.55
25	342	18.13	323.87	360.13
26	353	19.01	333.99	372.01
27	367	20.47	346.53	387.47
28	381*	23.11	359.89	406.11
29	395*	26.91	381.09	434.91
30	415*	34.80	411.20	480.80

^ Truncated

* Adjusted for end of scale effect

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.3.4.2J

Raw Score to Proficiency Level Conversion: Spek 2B S401 Paper

Raw Score	Grade 2	
	Proficiency Level Score	% of Students
6	1.0	0.3
7	1.2	0.1
8	1.4	0.2
9	1.5	0.2
10	1.6	0.3
11	1.7	0.5
12	1.8	1.6
13	1.8	2.0
14	1.9	3.1
15	2.1	4.1
16	2.3	5.1
17	2.5	6.4
18	2.7	10.5
19	3.0	8.0
20	3.2	8.7
21	3.5	8.4
22	3.7	8.5
23	3.9	7.0
24	4.1	7.0
25	4.3	4.1
26	4.5	3.7
27	4.8	3.1
28	5.1	2.6
29	5.5	2.1
30	6.0	2.3

Note that the test form is shared between 2B, 2C, 3B, and 3C.

6.3.4.3 Speaking 2C

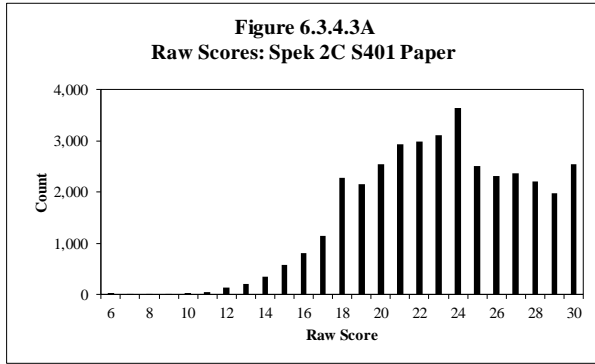


Table 6.3.4.3A

Raw Score Descriptive Statistics: Spek 2C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	36,881	6	30	23.11	4.22

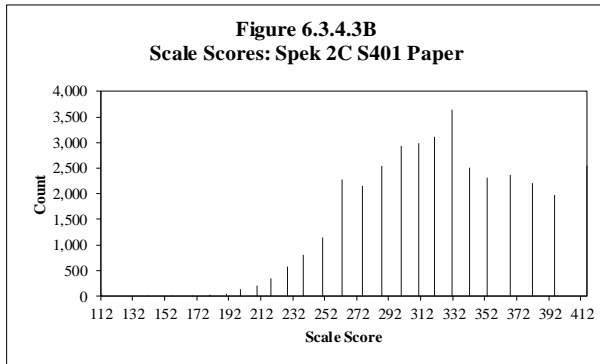


Table 6.3.4.3B

Scale Score Descriptive Statistics: Spek 2C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
2	36,881	112	415	323.05	50.61

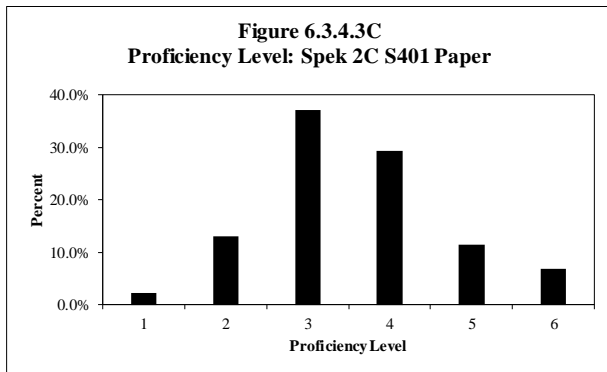


Table 6.3.4.3C

Proficiency Level Distribution: Spek 2C S401 Paper

Level	Count	Percent
1	790	2.1%
2	4,808	13.0%
3	13,724	37.2%
4	10,825	29.4%
5	4,198	11.4%
6	2,536	6.9%
Total	36,881	100.0%

Table 6.3.4.3D
Scaling Equation for Speaking

Speaking Scale Score = (Ability Measure in Logits*29.248) + 265.076
--

Table 6.3.4.3E
Equating Summary: Spek 2C S401 Paper

Comparison of Forms*	Form 401			Form 400		
	No. of Tasks	Average Difficulty (Std. Dev.)		No. of Tasks	Average Difficulty (Std. Dev.)	
	10	-1.78 (3.01)		10	0.00 (2.84)	
	Easiest	Hardest		Easiest	Hardest	
-6.11	1.07		-4.30	2.59		
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)				
	10	-1.78 (3.01)				
	No. of Anchors Used	Average Difficulty (Std. Dev.)				
	7	0.05 (0.68)				
	Percentage Anchors	Average Displacement				
70%	-0.02					
Rating Scale Step Measures by Task	Anchored Scale Steps					
	Task	Step	Measure			
	PL 1 Tasks	1	0.56			
		2	-0.56			
	PL 3/PL 5 Tasks	1	-2.65			
		2	-1.80			
		3	1.46			
4		2.98				
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty		
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement
	14582	-0.26	-0.24	14569	-0.93	0.04
	14202	0.20	-0.12	14571	-0.58	0.06
	14570	0.48	-0.03	14582	-0.26	-0.24
	14569	-0.93	0.04	14202	0.20	-0.12
	14572	1.07	0.04	14581	0.38	0.12
	14571	-0.58	0.06	14570	0.48	-0.03
	14581	0.38	0.12	14572	1.07	0.04

* No equating was performed for the previous series (S400).

Note that this table includes all tasks across tiers for this cluster, and that Cluster 2 and Cluster 3 share the same form.

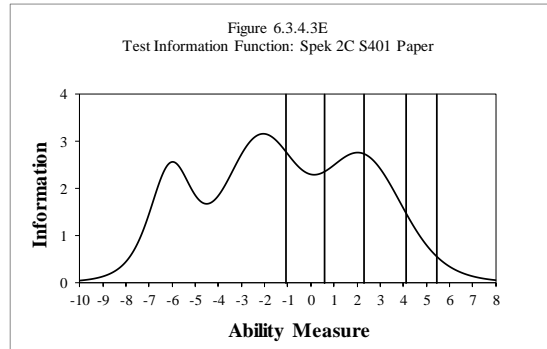
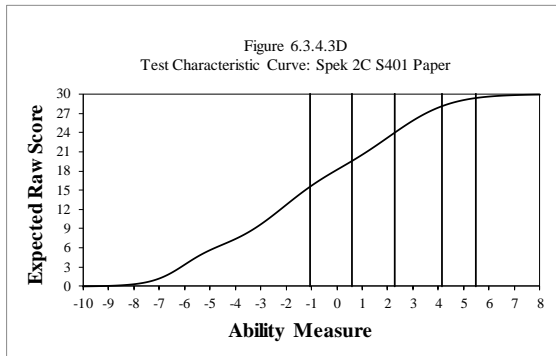


Table 6.3.4.3F

Reliability: Spek 2C S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
117,724	6	0.912	1.315

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.3.4.3G

Complete Task Analysis and Summary: Spek 2C S401 Paper

Task Type	Average Task Difficulty (in logits)		No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square	
Constructed Response	-1.78		12	0.58	0.50	
Name	Tier	Task Difficulty (in logits)	Anchored?	Fit Statistics		
				Infit Mnsq	Outfit Mnsq	
1.S23A_SI_Playground_401_14579_P1	A	-6.11		0.61	0.22	
2.S23A_SI_Playground_401_14580_P3	A*	-0.93	Yes	0.66	0.70	
3.S23C_SI_Playground_401_14569_P3	B/C*	-0.93	Yes	0.66	0.70	
4.S23C_SI_Playground_401_V2_14570_P5	B/C	0.48	Yes	0.59	0.62	
5.S23A_LA_ClassGarden_P100_New_ALT_14201_P1_401	A	-5.98		0.50	0.23	
6.S23A_LA_ClassGarden_P100_New_ALT_14202_P3_401	A	0.20	Yes	0.50	0.51	
7.S23C_LS_ClassGarden_401_14581_P3	B/C	0.38	Yes	0.54	0.56	
8.S23C_LS_ClassGarden_401_14582_P5	B/C	-0.26	Yes	0.59	0.61	
9.S23A_MS_WaterCycle_401_V1_14575_P1	A	-6.10		0.47	0.17	
10.S23A_MS_WaterCycle_401_V1_14576_P3	A*	-0.58	Yes	0.60	0.62	
11.S23C_MS_WaterCycle_401_V1_14571_P3	B/C*	-0.58	Yes	0.60	0.62	
12.S23C_MS_WaterCycle_401_V1_14572_P5	B/C	1.07	Yes	0.74	0.76	
Raw Score Distribution by Task	Task	Raw Score				
		0	1	2	3	4
	Task 1	11.17%	14.88%	73.95%	N/A	N/A
	Task 2	2.21%	5.21%	28.09%	39.77%	24.71%
	Task 3	2.21%	5.21%	28.09%	39.77%	24.71%
	Task 4	0.68%	7.12%	34.17%	39.29%	18.75%
	Task 5	13.21%	15.31%	71.48%	N/A	N/A
	Task 6	15.88%	26.81%	32.16%	19.04%	6.11%
	Task 7	0.43%	4.33%	30.99%	40.34%	23.91%
	Task 8	0.81%	6.63%	29.56%	39.89%	23.12%
	Task 9	12.82%	15.09%	72.08%	N/A	N/A
	Task 10	2.91%	8.35%	28.04%	37.30%	23.40%
	Task 11	2.91%	8.35%	28.04%	37.30%	23.40%
Task 12	1.53%	14.14%	37.05%	32.11%	15.16%	

* Task is shared between A and B/C.

Note that this table includes all tasks across tiers for this cluster, and that Cluster 2 and Cluster 3 share the same form.

Table 6.3.4.3H

DIF Analysis and Summary: Spek 2C S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
DIF Level	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	2	4	3	3
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.S23C_14569_Slp3_Playground_401_V2_S401_Paper	AA	M	AA	H
2.S23C_14570_Slp5_Playground_401_V2_S401_Paper	AA	F	AA	H
3.S23C_14581_LSp3_ClassGarden_401_S401_Paper	AA	F	AA	O
4.S23C_14582_LSp5_ClassGarden_401_S401_Paper	AA	F	AA	O
5.S23C_14571_MAp3_WaterCycle_401_V1_S401_Paper	AA	F	AA	H
6.S23C_14572_MAp5_WaterCycle_401_V1_S401_Paper	AA	M	AA	O

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.3.4.3I

Raw Score to Scale Score Conversion: Spek 2C S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
6	112 [^]	20.47	103.53	144.47
7	141	22.23	118.77	163.23
8	156	20.18	135.82	176.18
9	169	18.43	150.57	187.43
10	180	17.26	162.74	197.26
11	190	16.67	173.33	206.67
12	199	16.38	182.62	215.38
13	209	16.38	192.62	225.38
14	218	16.67	201.33	234.67
15	228	17.26	210.74	245.26
16	238	17.84	220.16	255.84
17	250	18.72	231.28	268.72
18	262	19.30	242.70	281.30
19	275	19.30	255.70	294.30
20	287	18.72	268.28	305.72
21	299	18.13	280.87	317.13
22	310	17.84	292.16	327.84
23	320	17.55	302.45	337.55
24	331	17.55	313.45	348.55
25	342	18.13	323.87	360.13
26	353	19.01	333.99	372.01
27	367	20.47	346.53	387.47
28	381*	23.11	359.89	406.11
29	395*	26.91	381.09	434.91
30	415*	34.80	411.20	480.80

^ Truncated

* Adjusted for end of scale effect

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.3.4.3J

Raw Score to Proficiency Level Conversion: Spek 2C S401 Paper

Raw Score	Grade 2	
	Proficiency Level Score	% of Students
6	1.0	0.1
7	1.2	0.0
8	1.4	0.0
9	1.5	0.0
10	1.6	0.1
11	1.7	0.1
12	1.8	0.4
13	1.8	0.6
14	1.9	0.9
15	2.1	1.6
16	2.3	2.2
17	2.5	3.1
18	2.7	6.2
19	3.0	5.9
20	3.2	6.9
21	3.5	7.9
22	3.7	8.1
23	3.9	8.4
24	4.1	9.9
25	4.3	6.8
26	4.5	6.3
27	4.8	6.4
28	5.1	6.0
29	5.5	5.4
30	6.0	6.9

Note that the test form is shared between 2B, 2C, 3B, and 3C.

6.4 Grade: 3

6.4.1 Listening 3

6.4.1.1 Listening 3A

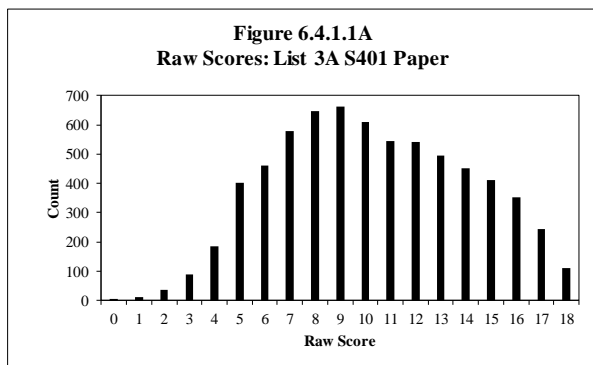


Table 6.4.1.1A

Raw Score Descriptive Statistics: List 3A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	6,832	0	18	10.28	3.75

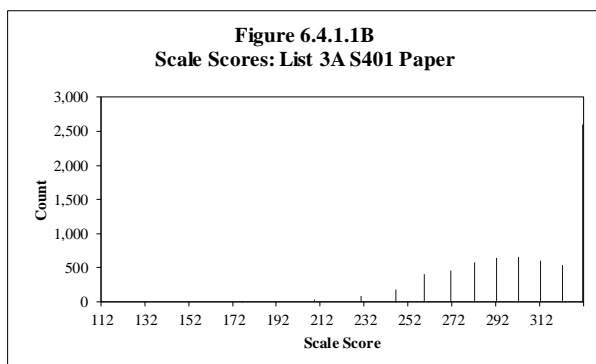


Table 6.4.1.1B

Scale Score Descriptive Statistics: List 3A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	6,832	112	331	305.00	28.52

Note: Scale scores capped at proficiency level 4.0

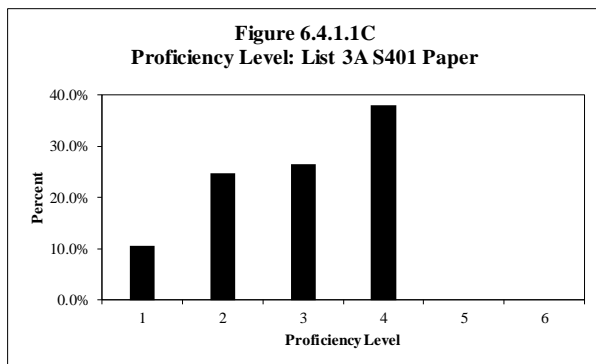


Table 6.4.1.1C

Proficiency Level Distribution: List 3A S401 Paper

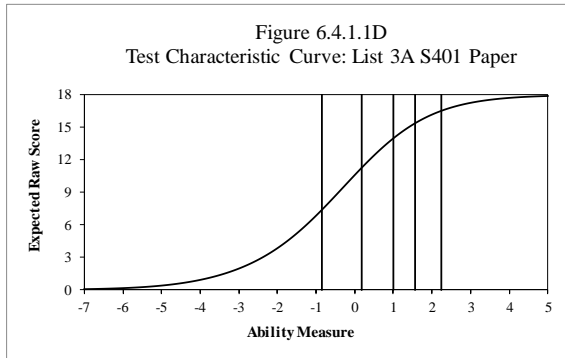
Level	Count	Percent
1	726	10.6%
2	1,690	24.7%
3	1,816	26.6%
4	2,600	38.1%
5	n/a	n/a
6	n/a	n/a
Total	6,832	100.0%

Note: Scale scores capped at proficiency level 4.0

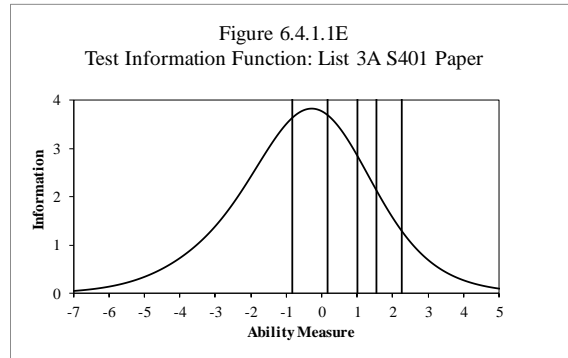
Table 6.4.1.1D
Scaling Equation for Listening

$$\text{Listening Scale Score} = (\text{Ability Measure in Logits} * 37.571) + 316.637$$

Table 6.4.1.1E
Equating Summary: List 3A S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 4.0



Note: Scale scores capped at proficiency level 4.0

Table 6.4.1.1F
Reliability: List 3A S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
17,373	18	0.766	1.840

Note that the test form is shared between 3A and 4-5A.

Table 6.4.1.1G

Complete Item Analysis and Summary: List 3A S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	-0.44	1.00	0.98
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.L35A_9697_SIp1_GymClass_302_S401_Paper	-3.51	0.89	0.52
2.L35A_9698_SIp2_GymClass_302_S401_Paper	-0.76	0.90	0.88
3.L35A_9699_SIp3_GymClass_302_S401_Paper	-0.02	1.03	1.07
4.L35A_10677_LAp2_CardStory_302_S401_Paper	-1.97	0.94	0.85
5.L35A_10679_LAp3_CardStory_302_S401_Paper	0.08	1.10	1.21
6.L35A_10682_LAp4_CardStory_302_S401_Paper	0.47	1.13	1.19
7.L35A_6742_MAp1_PetChart_203_S401_Paper	-1.50	0.86	0.77
8.L35A_6743_MAp2_PetChart_203_S401_Paper	0.47	1.12	1.28
9.L35A_6744_MAp3_PetChart_203_S401_Paper	0.12	1.02	1.07
10.L35A_6812_SCp1_Lava_203_S401_Paper	0.43	1.00	1.01
11.L35A_6813_SCp2_Lava_203_S401_Paper	-0.71	0.99	0.97
12.L35A_6814_SCp3_Lava_203_S401_Paper	0.49	1.10	1.13
13.L35A_10668_SSp2_Mayans_302_S401_Paper	-0.25	0.99	0.99
14.L35A_10674_SSp3_Mayans_302_S401_Paper	0.08	1.00	0.99
15.L35A_10675_SSp4_Mayans_302_S401_Paper	0.62	0.96	0.94
16.L35A_9807_SIp2_Weekend_302_S401_Paper	-0.92	1.09	1.14
17.L35A_9808_SIp3_Weekend_302_S401_Paper	-1.12	0.92	0.86
18.L35A_9809_SIp4_Weekend_302_S401_Paper	0.08	0.91	0.87

* No equating was performed for S303 and S401. Information on anchored items and their P-values can be found in S302 Annual Technical Report, Table H.

Note that the test form is shared between 3A and 4-5A.

Table 6.4.1.1H

DIF Analysis and Summary: List 3A S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	9	9	7	10
B	0	0	0	1
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.L35A_9697_SIp1_GymClass_302_S401_Paper	A	M	A	H
2.L35A_9698_SIp2_GymClass_302_S401_Paper	A	F	A	O
3.L35A_9699_SIp3_GymClass_302_S401_Paper	A	M	A	H
4.L35A_10677_LAp2_CardStory_302_S401_Paper	A	M	A	O
5.L35A_10679_LAp3_CardStory_302_S401_Paper	A	F	A	O
6.L35A_10682_LAp4_CardStory_302_S401_Paper	A	F	A	H
7.L35A_6742_MAp1_PetChart_203_S401_Paper	A	F	B	O
8.L35A_6743_MAp2_PetChart_203_S401_Paper	A	M	A	O
9.L35A_6744_MAp3_PetChart_203_S401_Paper	A	F	A	O
10.L35A_6812_SCp1_Lava_203_S401_Paper	A	M	A	H
11.L35A_6813_SCp2_Lava_203_S401_Paper	A	M	A	H
12.L35A_6814_SCp3_Lava_203_S401_Paper	A	M	A	O
13.L35A_10668_SSp2_Mayans_302_S401_Paper	A	M	A	O
14.L35A_10674_SSp3_Mayans_302_S401_Paper	A	F	A	O
15.L35A_10675_SSp4_Mayans_302_S401_Paper	A	F	A	H
16.L35A_9807_SIp2_Weekend_302_S401_Paper	A	F	A	O
17.L35A_9808_SIp3_Weekend_302_S401_Paper	A	F	A	H
18.L35A_9809_SIp4_Weekend_302_S401_Paper	A	M	A	O

Note that the test form is shared between 3A and 4-5A.

Table 6.4.1.1I

Raw Score to Scale Score Conversion: List 3A S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
	Grade 3			
0	112^	83.41	100.00^	209.41
1	176	41.02	134.98	217.02
2	209	30.63	178.37	239.63
3	230	26.03	203.97	256.03
4	246	23.38	222.62	269.38
5	259	21.68	237.32	280.68
6	271	20.56	250.44	291.56
7	282	19.81	262.19	301.81
8	292	19.36	272.64	311.36
9	302	19.13	282.87	321.13
10	312	19.13	292.87	331.13
11	322	19.37	302.63	341.37
12	331*	19.91*	312.09*	351.91*
13				
14				
15				
16				
17				
18				

^ Truncated

* Applies to all capped grade 3 scores

Note that the test form is shared between 3A and 4-5A.

Table 6.4.1.1J

Raw Score to Proficiency Level Conversion: List 3A S401 Paper

Raw Score	Grade 3	
	Proficiency Level Score	% of Students
0	1.0	0.1
1	1.4	0.2
2	1.6	0.5
3	1.7	1.3
4	1.8	2.7
5	1.9	5.9
6	2.2	6.8
7	2.5	8.5
8	2.7	9.5
9	3.0	9.7
10	3.3	8.9
11	3.7	8.0
12	4.0*	7.9
13	4.0*	7.2
14	4.0*	6.6
15	4.0*	6.0
16	4.0*	5.2
17	4.0*	3.6
18	4.0*	1.6

* Capped

Note that the test form is shared between 3A and 4-5A.

6.4.1.2 Listening 3B

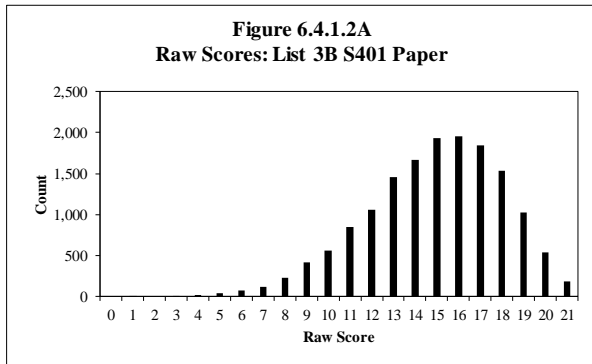


Table 6.4.1.2A

Raw Score Descriptive Statistics: List 3B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	15,488	1	21	14.86	3.11

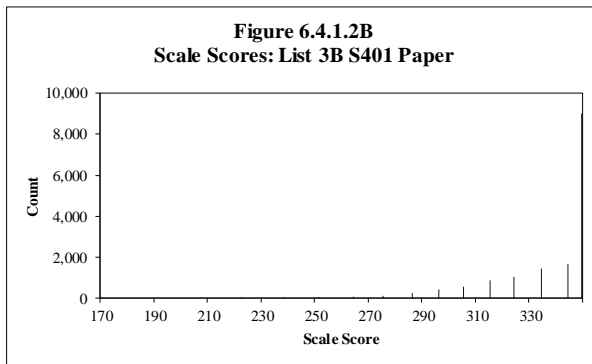


Table 6.4.1.2B

Scale Score Descriptive Statistics: List 3B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	15,488	170	349	338.21	18.22

Note: Scale scores capped at proficiency level 5.0

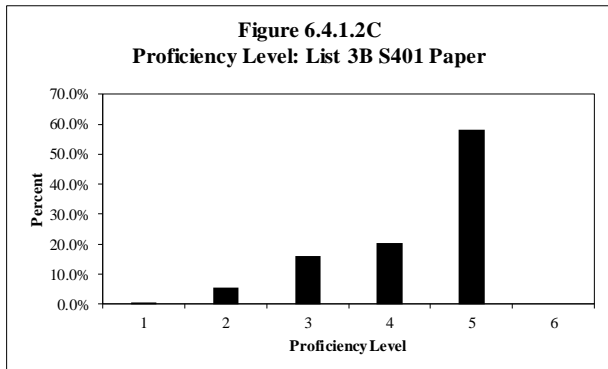


Table 6.4.1.2C

Proficiency Level Distribution: List 3B S401 Paper

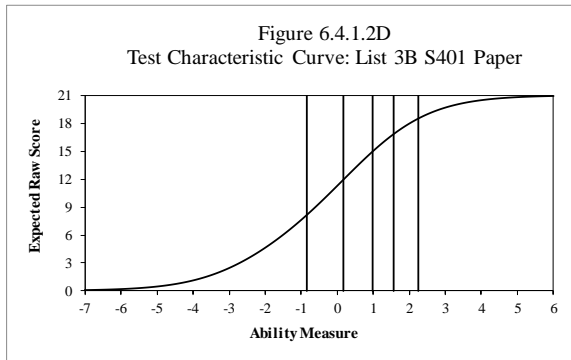
Level	Count	Percent
1	54	0.3%
2	837	5.4%
3	2,466	15.9%
4	3,126	20.2%
5	9,005	58.1%
6	n/a	n/a
Total	15,488	100.0%

Note: Scale scores capped at proficiency level 5.0

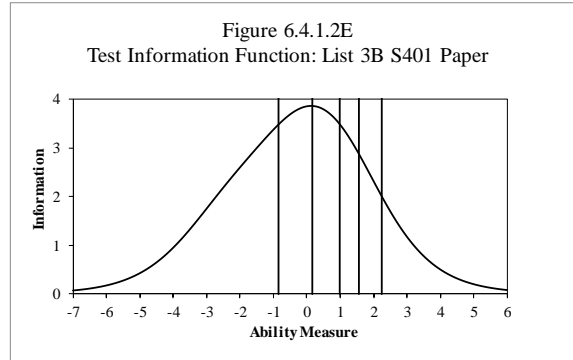
Table 6.4.1.2D
Scaling Equation for Listening

Listening Scale Score = (Ability Measure in Logits*37.571) + 316.637

Table 6.4.1.2E
Equating Summary: List 3B S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 5.0



Note: Scale scores capped at proficiency level 5.0

Table 6.4.1.2F
Reliability: List 3B S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
31,141	21	0.686	1.781

Note that the test form is shared between 3B and 4-5B.

Table 6.4.1.2G

Complete Item Analysis and Summary: List 3B S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	-0.29	0.99	0.95
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.L35B_9876_SIp2_LibraryBooks_302_S401_Paper	-1.71	0.99	1.06
2.L35B_9877_SIp3_LibraryBooks_302_S401_Paper	-0.13	0.99	0.97
3.L35B_9878_SIp4_LibraryBooks_302_S401_Paper	-2.34	0.92	0.66
4.L35B_10677_LAp2_CardStory_302_S401_Paper	-1.97	0.93	0.76
5.L35B_10679_LAp3_CardStory_302_S401_Paper	0.71	1.15	1.22
6.L35B_10682_LAp4_CardStory_302_S401_Paper	0.47	0.99	0.98
7.L35B_6883_MAp2_Height_203_S401_Paper	-3.14	0.96	0.81
8.L35B_6884_MAp3_Height_203_S401_Paper	0.12	0.98	0.94
9.L35B_6885_MAp4_Height_203_S401_Paper	1.25	1.04	1.06
10.L35B_6915_SCP2_NaturalResources_203_S401_Paper	-2.42	0.95	0.63
11.L35B_6917_SCP3_NaturalResources_203_S401_Paper	0.85	0.99	0.99
12.L35B_6918_SCP4_NaturalResources_203_S401_Paper	-0.80	0.95	0.89
13.L35B_10668_SSp2_Mayans_302_S401_Paper	-0.71	1.01	1.01
14.L35B_10674_SSp3_Mayans_302_S401_Paper	0.08	0.94	0.87
15.L35B_10675_SSp4_Mayans_302_S401_Paper	0.12	0.89	0.81
16.L35B_10701_LAp3_SoupStory_302_S401_Paper	1.44	1.14	1.21
17.L35B_10703_LAp4_SoupStory_302_S401_Paper	-0.98	0.97	0.95
18.L35B_10708_LAp5_SoupStory_302_S401_Paper	1.04	0.98	0.98
19.L35B_7185_MAp3_FarmFractions_203_S401_Paper	-0.04	0.98	0.96
20.L35B_7186_MAp4_FarmFractions_203_S401_Paper	0.80	0.99	0.98
21.L35B_7187_MAp5_FarmFractions_203_S401_Paper	1.21	1.14	1.20

* No equating was performed for S303 and S401. Information on anchored items and their P-values can be found in S302 Annual Technical Report, Table H.

Note that the test form is shared between 3B and 4-5B.

Table 6.4.1.2H

DIF Analysis and Summary: List 3B S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	9	12	10	11
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.L35B_9876_SIp2_LibraryBooks_302_S401_Paper	A	F	A	H
2.L35B_9877_SIp3_LibraryBooks_302_S401_Paper	A	M	A	H
3.L35B_9878_SIp4_LibraryBooks_302_S401_Paper	A	M	A	O
4.L35B_10677_LAp2_CardStory_302_S401_Paper	A	M	A	H
5.L35B_10679_LAp3_CardStory_302_S401_Paper	A	F	A	H
6.L35B_10682_LAp4_CardStory_302_S401_Paper	A	M	A	H
7.L35B_6883_MAp2_Height_203_S401_Paper	A	M	A	O
8.L35B_6884_MAp3_Height_203_S401_Paper	A	F	A	O
9.L35B_6885_MAp4_Height_203_S401_Paper	A	F	A	O
10.L35B_6915_SCP2_NaturalResources_203_S401_Paper	A	F	A	H
11.L35B_6917_SCP3_NaturalResources_203_S401_Paper	A	M	A	O
12.L35B_6918_SCP4_NaturalResources_203_S401_Paper	A	M	A	O
13.L35B_10668_SSp2_Mayans_302_S401_Paper	A	M	A	O
14.L35B_10674_SSp3_Mayans_302_S401_Paper	A	F	A	O
15.L35B_10675_SSp4_Mayans_302_S401_Paper	A	F	A	O
16.L35B_10701_LAp3_SoupStory_302_S401_Paper	A	F	A	O
17.L35B_10703_LAp4_SoupStory_302_S401_Paper	A	F	A	H
18.L35B_10708_LAp5_SoupStory_302_S401_Paper	A	M	A	H
19.L35B_7185_MAp3_FarmFractions_203_S401_Paper	A	F	A	H
20.L35B_7186_MAp4_FarmFractions_203_S401_Paper	A	F	A	H
21.L35B_7187_MAp5_FarmFractions_203_S401_Paper	A	F	A	O

Note that the test form is shared between 3B and 4-5B.

Table 6.4.1.2I

Raw Score to Scale Score Conversion: List 3B S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
	Grade 3			
0	112^	78.52	100.00^	199.52
1	170	39.97	130.03	209.97
2	201	29.96	171.04	230.96
3	222	25.83	196.17	247.83
4	238	23.52	214.48	261.52
5	251	22.03	228.97	273.03
6	264	20.99	243.01	284.99
7	275	20.22	254.78	295.22
8	286	19.66	266.34	305.66
9	296	19.26	276.74	315.26
10	305	18.99	286.01	323.99
11	315	18.86	296.14	333.86
12	324	18.86	305.14	342.86
13	334	19.03	314.97	353.03
14	344	19.38	324.62	363.38
15	349*	19.54*	334.46*	373.54*
16				
17				
18				
19				
20				
21				

^ Truncated

* Applies to all capped grade 3 scores

Note that the test form is shared between 3B and 4-5B.

Table 6.4.1.2J

Raw Score to Proficiency Level Conversion: List 3B S401 Paper

Raw Score	Grade 3	
	Proficiency Level Score	% of Students
0	1.0	0.0
1	1.3	0.0
2	1.5	0.0
3	1.7	0.0
4	1.8	0.1
5	1.9	0.2
6	2.0	0.5
7	2.3	0.8
8	2.6	1.5
9	2.8	2.7
10	3.1	3.6
11	3.4	5.5
12	3.7	6.9
13	4.1	9.4
14	4.7	10.8
15	5.0*	12.5
16	5.0*	12.6
17	5.0*	11.9
18	5.0*	9.9
19	5.0*	6.6
20	5.0*	3.4
21	5.0*	1.2

* Capped

Note that the test form is shared between 3B and 4-5B.

6.4.1.3 Listening 3C

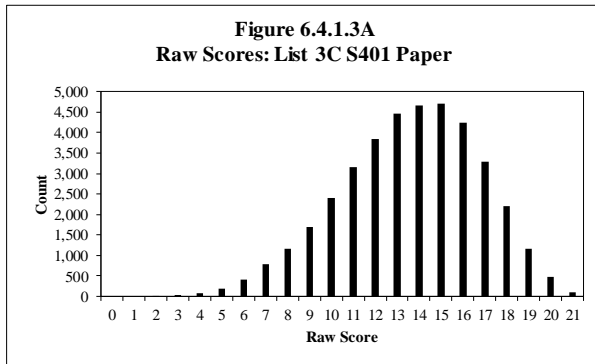


Table 6.4.1.3A

Raw Score Descriptive Statistics: List 3C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	39,040	2	21	13.56	3.17

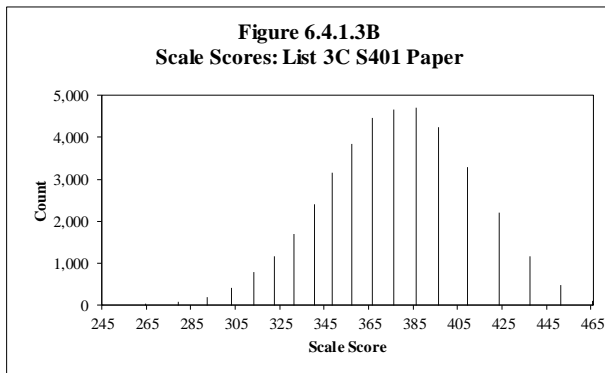


Table 6.4.1.3B

Scale Score Descriptive Statistics: List 3C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	39,040	245	465	373.99	32.06

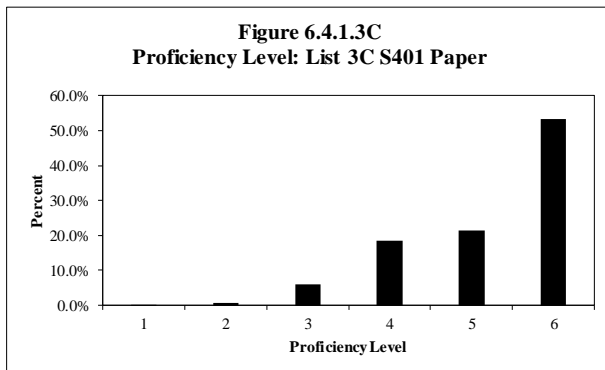


Table 6.4.1.3C

Proficiency Level Distribution: List 3C S401 Paper

Level	Count	Percent
1	2	0.0%
2	296	0.8%
3	2,345	6.0%
4	7,253	18.6%
5	8,319	21.3%
6	20,825	53.3%
Total	39,040	100.0%

Table 6.4.1.3D
Scaling Equation for Listening

$$\text{Listening Scale Score} = (\text{Ability Measure in Logits} * 37.571) + 316.637$$

Table 6.4.1.3E
Equating Summary: List 3C S401 Paper
Note: No equating was performed for S401.

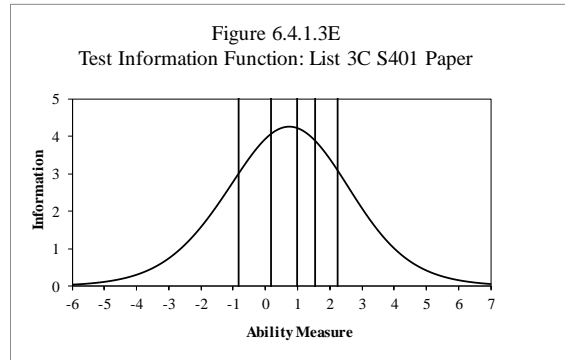
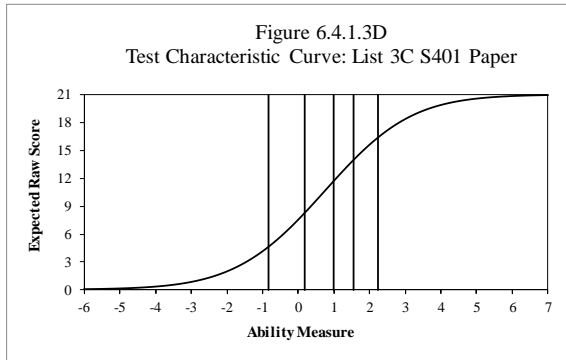


Table 6.4.1.3F
Reliability: List 3C S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
79,510	21	0.646	1.890

Note that the test form is shared between 3C and 4-5C.

Table 6.4.1.3G

Complete Item Analysis and Summary: List 3C S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	0.72	1.00	0.97
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.L35C_10185_SIp3_AfterSchool_302_S401_Paper	1.10	1.08	1.12
2.L35C_10187_SIp4_AfterSchool_302_S401_Paper	-1.43	0.97	0.86
3.L35C_10188_SIp5_AfterSchool_302_S401_Paper	0.05	0.94	0.83
4.L35C_10734_LAp3_FarmStory_302_S401_Paper	0.21	1.02	1.06
5.L35C_10737_LAp4_FarmStory_302_S401_Paper	-1.38	0.93	0.72
6.L35C_10743_LAp5_FarmStory_302_S401_Paper	0.52	0.93	0.86
7.L35C_7119_MAp3_PlaygroundFractions_203_S401_Paper	1.71	1.03	1.05
8.L35C_7120_MAp4_PlaygroundFractions_203_S401_Paper	2.27	1.03	1.06
9.L35C_7121_MAp5_PlaygroundFractions_203_S401_Paper	1.66	1.01	1.01
10.L35C_7252_SCP3_Penguins_203_S401_Paper	0.34	1.01	1.01
11.L35C_7253_SCP4_Penguins_203_S401_Paper	0.19	0.98	0.92
12.L35C_7254_SCP5_Penguins_203_S401_Paper	1.45	1.07	1.10
13.L35C_10796_SSp3_ColonialTrade_302_S401_Paper	-0.14	0.96	0.85
14.L35C_10797_SSp4_ColonialTrade_302_S401_Paper	2.19	1.03	1.06
15.L35C_10798_SSp5_ColonialTrade_302_S401_Paper	0.96	0.95	0.91
16.L35C_10698_LAp3_TreeStory_302_S401_Paper	0.43	0.97	0.95
17.L35C_10705_LAp4_TreeStory_302_S401_Paper	0.16	0.95	0.89
18.L35C_10707_LAp5_TreeStory_302_S401_Paper	0.02	0.88	0.73
19.L35C_10085_MAp3_Recipe_302_S401_Paper	1.44	1.04	1.06
20.L35C_10086_MAp4_Recipe_302_S401_Paper	1.11	1.01	0.99
21.L35C_10087_MAp5_Recipe_302_S401_Paper	2.32	1.13	1.24

* No equating was performed for S303 and S401. Information on anchored items and their P-values can be found in S302 Annual Technical Report, Table H.

Note that the test form is shared between 3C and 4-5C.

Table 6.4.1.3H

DIF Analysis and Summary: List 3C S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	9	11	12	9
B	1	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.L35C_10185_SIp3_AfterSchool_302_S401_Paper	A	M	A	O
2.L35C_10187_SIp4_AfterSchool_302_S401_Paper	A	F	A	H
3.L35C_10188_SIp5_AfterSchool_302_S401_Paper	A	M	A	O
4.L35C_10734_LAp3_FarmStory_302_S401_Paper	A	F	A	H
5.L35C_10737_LAp4_FarmStory_302_S401_Paper	A	F	A	H
6.L35C_10743_LAp5_FarmStory_302_S401_Paper	A	F	A	O
7.L35C_7119_MAp3_PlaygroundFractions_203_S401_Paper	A	M	A	H
8.L35C_7120_MAp4_PlaygroundFractions_203_S401_Paper	A	F	A	H
9.L35C_7121_MAp5_PlaygroundFractions_203_S401_Paper	A	F	A	H
10.L35C_7252_SCP3_Penguins_203_S401_Paper	A	M	A	O
11.L35C_7253_SCP4_Penguins_203_S401_Paper	A	M	A	O
12.L35C_7254_SCP5_Penguins_203_S401_Paper	A	M	A	O
13.L35C_10796_SSp3_ColonialTrade_302_S401_Paper	B	M	A	H
14.L35C_10797_SSp4_ColonialTrade_302_S401_Paper	A	M	A	O
15.L35C_10798_SSp5_ColonialTrade_302_S401_Paper	A	M	A	O
16.L35C_10698_LAp3_TreeStory_302_S401_Paper	A	F	A	H
17.L35C_10705_LAp4_TreeStory_302_S401_Paper	A	F	A	H
18.L35C_10707_LAp5_TreeStory_302_S401_Paper	A	F	A	H
19.L35C_10085_MAp3_Recipe_302_S401_Paper	A	M	A	H
20.L35C_10086_MAp4_Recipe_302_S401_Paper	A	F	A	H
21.L35C_10087_MAp5_Recipe_302_S401_Paper	A	F	A	O

Note that the test form is shared between 3C and 4-5C.

Table 6.4.1.3I

Raw Score to Scale Score Conversion: List 3C S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
	Grade 3			
0	112^	140.52	100.00^	307.52
1	215	39.61	175.39	254.61
2	245	29.32	215.68	274.32
3	264	24.95	239.05	288.95
4	279	22.46	256.54	301.46
5	292	20.87	271.13	312.87
6	303	19.79	283.21	322.79
7	313	19.05	293.95	332.05
8	322	18.56	303.44	340.56
9	331	18.25	312.75	349.25
10	340	18.11	321.89	358.11
11	348	18.11	329.89	366.11
12	357	18.25	338.75	375.25
13	366	18.55	347.45	384.55
14	376	19.02	356.98	395.02
15	386	19.72	366.28	405.72
16	396	20.74	375.26	416.74
17	409	22.26	386.74	431.26
18	423	24.67	398.33	447.67
19	437*	27.80	414.20	469.80
20	451*	31.56	440.44	503.56
21	465*	36.82	482.18	555.82

^ Truncated

* Adjusted for end of scale effect

Note that the test form is shared between 3C and 4-5C.

Table 6.4.1.3J

Raw Score to Proficiency Level Conversion: List 3C S401 Paper

Raw Score	Grade 3	
	Proficiency Level Score	% of Students
0	1.0	0.0
1	1.6	0.0
2	1.8	0.0
3	2.0	0.1
4	2.4	0.2
5	2.7	0.5
6	3.0	1.0
7	3.4	2.0
8	3.7	3.0
9	4.0	4.4
10	4.5	6.2
11	4.9	8.1
12	5.3	9.9
13	5.6	11.5
14	6.0	11.9
15	6.0	12.1
16	6.0	10.8
17	6.0	8.4
18	6.0	5.6
19	6.0	3.0
20	6.0	1.2
21	6.0	0.2

Note that the test form is shared between 3C and 4-5C.

6.4.2 Reading 3

6.4.2.1 Reading 3A

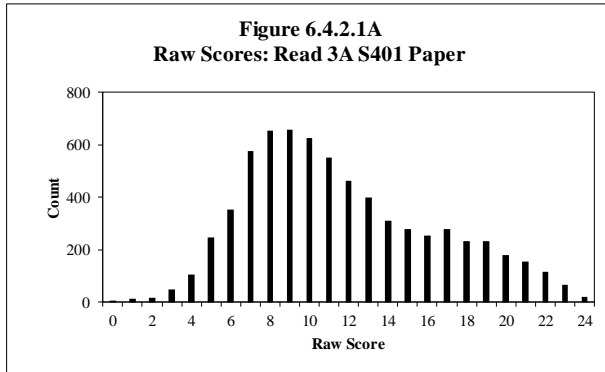


Table 6.4.2.1A

Raw Score Descriptive Statistics: Read 3A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	6,832	0	24	11.63	4.75

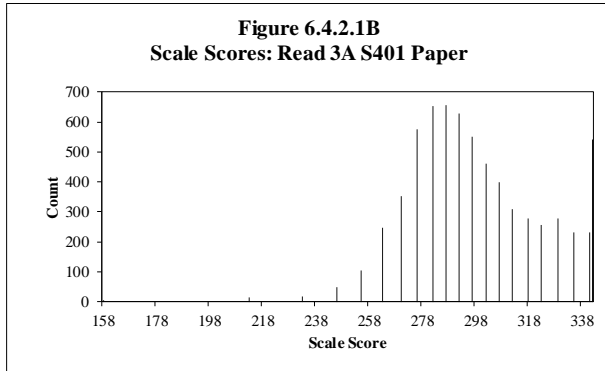


Table 6.4.2.1B

Scale Score Descriptive Statistics: Read 3A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	6,832	158	342	299.38	24.63

Note: Scale scores capped at proficiency level 4.0

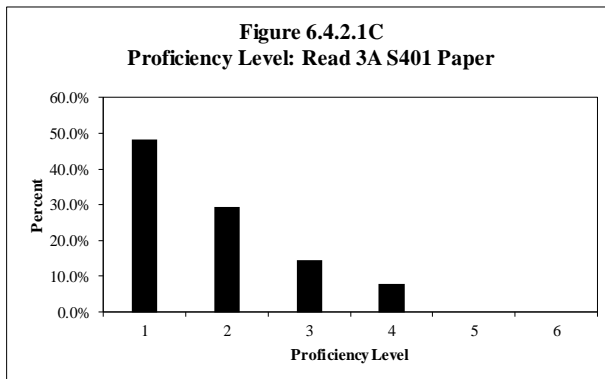


Table 6.4.2.1C

Proficiency Level Distribution: Read 3A S401 Paper

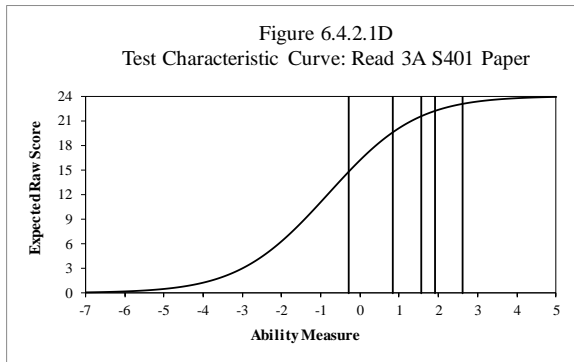
Level	Count	Percent
1	3,298	48.3%
2	1,999	29.3%
3	995	14.6%
4	540	7.9%
5	n/a	n/a
6	n/a	n/a
Total	6,832	100.0%

Note: Scale scores capped at proficiency level 4.0

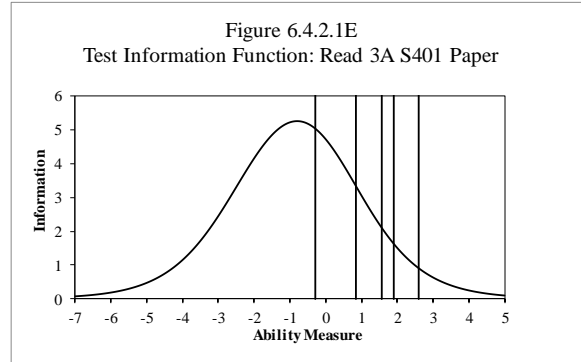
Table 6.4.2.1D
Scaling Equation for Reading

Reading Scale Score = (Ability Measure in Logits*26.000) + 323.272

Table 6.4.2.1E
Equating Summary: Read 3A S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 4.0



Note: Scale scores capped at proficiency level 4.0

Table 6.4.2.1F
Reliability: Read 3A S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
17,372	24	0.818	2.154

Note that the test form is shared between 3A and 4-5A.

Table 6.4.2.1G

Complete Item Analysis and Summary: Read 3A S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	-0.81	1.00	0.98
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.R35A_8210_SIp1_GameDay_301_S401_Paper	-2.39	0.89	0.69
2.R35A_8211_SIp2_GameDay_301_S401_Paper	-2.21	0.95	0.84
3.R35A_8212_SIp3_GameDay_301_S401_Paper	-0.24	0.98	1.01
4.R35A_12342_LAp1_WilmaRudolph_303_S401_Paper	-1.51	0.88	0.78
5.R35A_12343_LAp2_WilmaRudolph_303_S401_Paper	-0.85	1.06	1.08
6.R35A_12344_LAp3_WilmaRudolph_303_S401_Paper	-0.55	1.05	1.06
7.R35A_8129_MAp1_ButterflyMiles_301_S401_Paper	-1.63	0.95	0.85
8.R35A_8130_MAp2_ButterflyMiles_301_S401_Paper	-0.69	1.28	1.36
9.R35A_8131_MAp3_ButterflyMiles_301_S401_Paper	-0.25	0.97	0.96
10.R35A_11449_SCP2_Organic_303_S401_Paper	-0.35	0.82	0.77
11.R35A_11452_SCP3_Organic_303_S401_Paper	0.27	1.08	1.10
12.R35A_11571_SCP4_Organic_303_S401_Paper	0.42	1.11	1.16
13.R35A_3296_SSp1_InventionsinMusic_jc_S401_Paper	-1.87	0.92	0.82
14.R35A_3297_SSp2_InventionsinMusic_jc_S401_Paper	-1.21	0.85	0.74
15.R35A_3298_SSp3_InventionsinMusic_jc_S401_Paper	0.31	1.08	1.11
16.R35A_8264_SIp2_WellnessWeek_301_S401_Paper	-1.21	0.97	1.02
17.R35A_8265_SIp3_WellnessWeek_301_S401_Paper	-0.35	0.87	0.84
18.R35A_8266_SIp4_WellnessWeek_301_S401_Paper	0.18	1.35	1.48
19.R35A_11107_LAp1_BioRuthWakefield_303_S401_Paper	-1.19	0.87	0.80
20.R35A_11110_LAp2_BioRuthWakefield_303_S401_Paper	-1.42	1.05	1.04
21.R35A_11119_LAp3_BioRuthWakefield_303_S401_Paper	-0.06	1.33	1.41
22.R35A_8132_MAp1_InsectEggs_301_S401_Paper	-1.47	0.91	0.83
23.R35A_8133_MAp2_InsectEggs_301_S401_Paper	-0.76	0.90	0.84
24.R35A_8134_MAp3_InsectEggs_301_S401_Paper	-0.40	0.97	0.96

* No equating was performed for S401. Information on anchored items and their P-values can be found in S303 Annual Technical Report, Table H.

Note that the test form is shared between 3A and 4-5A.

Table 6.4.2.1H

DIF Analysis and Summary: Read 3A S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	12	12	10	14
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.R35A_8210_SIp1_GameDay_301_S401_Paper	A	M	A	O
2.R35A_8211_SIp2_GameDay_301_S401_Paper	A	F	A	H
3.R35A_8212_SIp3_GameDay_301_S401_Paper	A	M	A	O
4.R35A_12342_LAp1_WilmaRudolph_303_S401_Paper	A	F	A	O
5.R35A_12343_LAp2_WilmaRudolph_303_S401_Paper	A	M	A	H
6.R35A_12344_LAp3_WilmaRudolph_303_S401_Paper	A	M	A	O
7.R35A_8129_MAp1_ButterflyMiles_301_S401_Paper	A	F	A	H
8.R35A_8130_MAp2_ButterflyMiles_301_S401_Paper	A	F	A	H
9.R35A_8131_MAp3_ButterflyMiles_301_S401_Paper	A	M	A	H
10.R35A_11449_ScP2_Organic_303_S401_Paper	A	M	A	O
11.R35A_11452_ScP3_Organic_303_S401_Paper	A	F	A	H
12.R35A_11571_ScP4_Organic_303_S401_Paper	A	F	A	H
13.R35A_3296_SSp1_InventionsinMusic_jc_S401_Paper	A	F	A	O
14.R35A_3297_SSp2_InventionsinMusic_jc_S401_Paper	A	F	A	H
15.R35A_3298_SSp3_InventionsinMusic_jc_S401_Paper	A	F	A	O
16.R35A_8264_SIp2_WellnessWeek_301_S401_Paper	A	F	A	H
17.R35A_8265_SIp3_WellnessWeek_301_S401_Paper	A	M	A	O
18.R35A_8266_SIp4_WellnessWeek_301_S401_Paper	A	M	A	O
19.R35A_11107_LAp1_BioRuthWakefield_303_S401_Paper	A	F	A	O
20.R35A_11110_LAp2_BioRuthWakefield_303_S401_Paper	A	M	A	O
21.R35A_11119_LAp3_BioRuthWakefield_303_S401_Paper	A	F	A	O
22.R35A_8132_MAp1_InsectEggs_301_S401_Paper	A	M	A	O
23.R35A_8133_MAp2_InsectEggs_301_S401_Paper	A	M	A	H
24.R35A_8134_MAp3_InsectEggs_301_S401_Paper	A	M	A	O

Note that the test form is shared between 3A and 4-5A.

Table 6.4.2.11

Raw Score to Scale Score Conversion: Read 3A S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
	Grade 3			
0	158^	73.84	107.16	254.84
1	213	26.93	186.07	239.93
2	233	19.70	213.30	252.70
3	246	16.63	229.37	262.63
4	255	14.88	240.12	269.88
5	263	13.75	249.25	276.75
6	270	12.97	257.03	282.97
7	276	12.41	263.59	288.41
8	282	12.01	269.99	294.01
9	287	11.72	275.28	298.72
10	292	11.52	280.48	303.52
11	297	11.41	285.59	308.41
12	302	11.36	290.64	313.36
13	307	11.39	295.61	318.39
14	312	11.48	300.52	323.48
15	318	11.66	306.34	329.66
16	323	11.93	311.07	334.93
17	329	12.32	316.68	341.32
18	335	12.86	322.14	347.86
19	341	13.63	327.37	354.63
20	342*	13.78*	335.22*	362.78*
21				
22				
23				
24				

^ Truncated

* Applies to all capped grade 3 scores

Note that the test form is shared between 3A and 4-5A.

Table 6.4.2.1J

Raw Score to Proficiency Level Conversion: Read 3A S401 Paper

Raw Score	Grade 3	
	Proficiency Level Score	% of Students
0	1.0	0.1
1	1.3	0.2
2	1.5	0.2
3	1.6	0.7
4	1.6	1.5
5	1.7	3.6
6	1.8	5.2
7	1.8	8.4
8	1.8	9.6
9	1.9	9.6
10	1.9	9.2
11	2.0	8.1
12	2.1	6.8
13	2.3	5.9
14	2.5	4.5
15	2.8	4.1
16	3.0	3.7
17	3.3	4.1
18	3.6	3.4
19	3.9	3.4
20	4.0*	2.6
21	4.0*	2.3
22	4.0*	1.7
23	4.0*	1.0
24	4.0*	0.3

* Capped

Note that the test form is shared between 3A and 4-5A.

6.4.2.2 Reading 3B

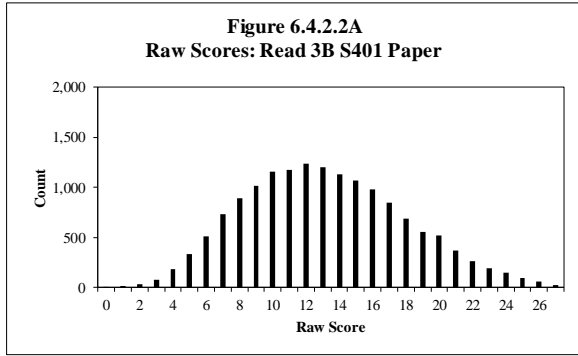


Table 6.4.2.2A

Raw Score Descriptive Statistics: Read 3B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	15,475	0	27	13.12	4.80

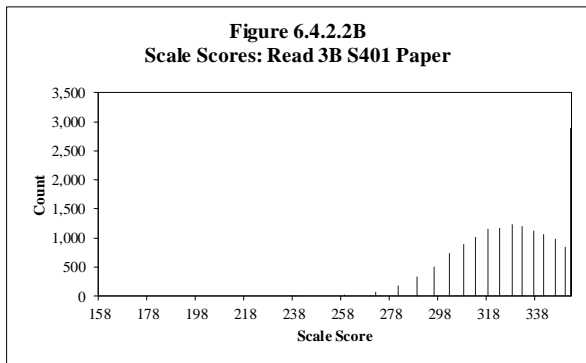


Table 6.4.2.2B

Scale Score Descriptive Statistics: Read 3B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	15,475	158	352	329.22	19.59

Note: Scale scores capped at proficiency level 5.0

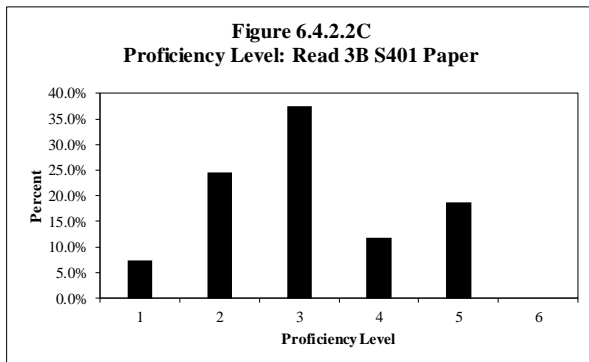


Table 6.4.2.2C

Proficiency Level Distribution: Read 3B S401 Paper

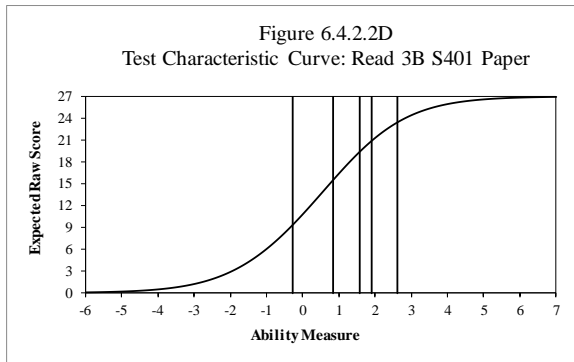
Level	Count	Percent
1	1,149	7.4%
2	3,794	24.5%
3	5,814	37.6%
4	1,823	11.8%
5	2,895	18.7%
6	n/a	n/a
Total	15,475	100.0%

Note: Scale scores capped at proficiency level 5.0

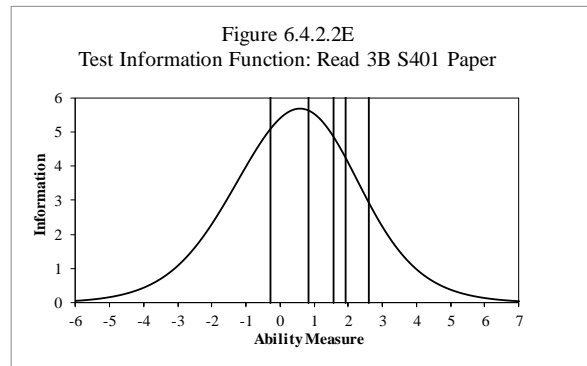
Table 6.4.2.2D
Scaling Equation for Reading

Reading Scale Score = (Ability Measure in Logits*26.000) + 323.272

Table 6.4.2.2E
Equating Summary: Read 3B S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 5.0



Note: Scale scores capped at proficiency level 5.0

Table 6.4.2.2F
Reliability: Read 3B S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
31,113	27	0.801	2.287

Note that the test form is shared between 3B and 4-5B.

Table 6.4.2.2G

Complete Item Analysis and Summary: Read 3B S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	0.40	1.00	1.00
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.R35B_8355_Slp2_BikeSafety_301_S401_Paper	-0.11	0.87	0.81
2.R35B_8356_Slp3_BikeSafety_301_S401_Paper	-0.92	0.85	0.70
3.R35B_8400_Slp4_BikeSafety_301_S401_Paper	-0.18	1.05	1.05
4.R35B_9938_LAp2_AntsandApples_303_S401_Paper	-1.30	0.86	0.68
5.R35B_9939_LAp3_AntsandApples_303_S401_Paper	0.62	0.94	0.93
6.R35B_9940_LAp4_AntsandApples_303_S401_Paper	0.08	0.89	0.86
7.R35B_8344_MAp2_PlayPerimeter_301_S401_Paper	-1.21	0.89	0.80
8.R35B_8345_MAp3_PlayPerimeter_301_S401_Paper	1.21	1.09	1.15
9.R35B_8346_MAp4_PlayPerimeter_301_S401_Paper	1.06	1.13	1.19
10.R35B_11354_Scp2_Roots_303_S401_Paper	-0.60	1.00	1.03
11.R35B_11418_Scp3_Roots_303_S401_Paper	0.24	0.89	0.86
12.R35B_11411_Scp4_Roots_303_S401_Paper	0.53	1.03	1.03
13.R35B_6907_SSp2_IroquoisandHopi_203_S401_Paper	-0.49	0.85	0.78
14.R35B_6908_SSp3_IroquoisandHopi_203_S401_Paper	0.43	0.92	0.89
15.R35B_6909_SSp4_IroquoisandHopi_203_S401_Paper	0.82	0.99	0.99
16.R35B_11767_LAp3_MaryAndCamille_303_S401_Paper	0.19	0.88	0.85
17.R35B_11773_LAp4_MaryAndCamille_303_S401_Paper	0.90	1.05	1.06
18.R35B_11780_LAp5_MaryAndCamille_303_S401_Paper	1.21	1.12	1.23
19.R35B_9257_MAp3_Angles_301_S401_Paper	0.63	1.07	1.10
20.R35B_9258_MAp4_Angles_301_S401_Paper	1.06	1.11	1.16
21.R35B_9259_MAp5_Angles_301_S401_Paper	1.94	1.22	1.51
22.R35B_11634_Scp3_Weathering_303_S401_Paper	1.54	0.97	0.97
23.R35B_11635_Scp4_Weathering_303_S401_Paper	1.29	1.00	1.02
24.R35B_11636_Scp5_Weathering_303_S401_Paper	1.09	1.16	1.23
25.R35B_3305_SSp2_Antarctica_jc_S401_Paper	-1.28	0.97	0.98
26.R35B_3306_SSp3_Antarctica_jc_S401_Paper	1.21	0.97	1.03
27.R35B_3307_SSp4_Antarctica_jc_S401_Paper	0.90	1.12	1.24

* No equating was performed for S401. Information on anchored items and their P-values can be found in S303 and S203 Annual Technical Report, Table H.

Note that the test form is shared between 3B and 4-5B.

Table 6.4.2.2H

DIF Analysis and Summary: Read 3B S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	13	14	11	16
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.R35B_8355_SIp2_BikeSafety_301_S401_Paper	A	F	A	H
2.R35B_8356_SIp3_BikeSafety_301_S401_Paper	A	F	A	O
3.R35B_8400_SIp4_BikeSafety_301_S401_Paper	A	M	A	H
4.R35B_9938_LAp2_AntsandApples_303_S401_Paper	A	M	A	O
5.R35B_9939_LAp3_AntsandApples_303_S401_Paper	A	M	A	O
6.R35B_9940_LAp4_AntsandApples_303_S401_Paper	A	F	A	O
7.R35B_8344_MAp2_PlayPerimeter_301_S401_Paper	A	F	A	O
8.R35B_8345_MAp3_PlayPerimeter_301_S401_Paper	A	F	A	H
9.R35B_8346_MAp4_PlayPerimeter_301_S401_Paper	A	F	A	H
10.R35B_11354_SCp2_Roots_303_S401_Paper	A	F	A	O
11.R35B_11418_SCp3_Roots_303_S401_Paper	A	F	A	O
12.R35B_11411_SCp4_Roots_303_S401_Paper	A	F	A	O
13.R35B_6907_SSp2_IroquoisandHopi_203_S401_Paper	A	F	A	H
14.R35B_6908_SSp3_IroquoisandHopi_203_S401_Paper	A	F	A	O
15.R35B_6909_SSp4_IroquoisandHopi_203_S401_Paper	A	M	A	O
16.R35B_11767_LAp3_MaryAndCamille_303_S401_Paper	A	F	A	H
17.R35B_11773_LAp4_MaryAndCamille_303_S401_Paper	A	F	A	H
18.R35B_11780_LAp5_MaryAndCamille_303_S401_Paper	A	F	A	O
19.R35B_9257_MAp3_Angles_301_S401_Paper	A	M	A	H
20.R35B_9258_MAp4_Angles_301_S401_Paper	A	M	A	O
21.R35B_9259_MAp5_Angles_301_S401_Paper	A	M	A	O
22.R35B_11634_SCp3_Weathering_303_S401_Paper	A	M	A	O
23.R35B_11635_SCp4_Weathering_303_S401_Paper	A	M	A	H
24.R35B_11636_SCp5_Weathering_303_S401_Paper	A	M	A	O
25.R35B_3305_SSp2_Antarctica_jc_S401_Paper	A	M	A	H
26.R35B_3306_SSp3_Antarctica_jc_S401_Paper	A	M	A	H
27.R35B_3307_SSp4_Antarctica_jc_S401_Paper	A	M	A	O

Note that the test form is shared between 3B and 4-5B.

Table 6.4.2.2I

Raw Score to Scale Score Conversion: Read 3B S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
	Grade 3			
0	158^	120.12	100.00^	326.12
1	239	26.98	212.02	265.98
2	259	19.77	239.23	278.77
3	272	16.69	255.31	288.69
4	281	14.93	266.07	295.93
5	289	13.78	275.22	302.78
6	296	12.97	283.03	308.97
7	302	12.37	289.63	314.37
8	308	11.91	296.09	319.91
9	313	11.56	301.44	324.56
10	318	11.30	306.70	329.30
11	323	11.10	311.90	334.10
12	328	10.96	317.04	338.96
13	332	10.88	321.12	342.88
14	337	10.86	326.15	347.86
15	341	10.88	330.12	351.88
16	346	10.96	335.04	356.96
17	350	11.10	338.90	361.10
18	352*	11.18*	343.82*	366.18*
19				
20				
21				
22				
23				
24				
25				
26				
27				

^ Truncated

* Applies to all capped grade 3 scores

Note that the test form is shared between 3B and 4-5B.

Table 6.4.2.2J

Raw Score to Proficiency Level Conversion: Read 3B S401 Paper

Raw Score	Grade 3	
	Proficiency Level Score	% of Students
0	1.0	0.0
1	1.5	0.1
2	1.7	0.2
3	1.8	0.5
4	1.8	1.2
5	1.9	2.2
6	1.9	3.3
7	2.1	4.7
8	2.4	5.8
9	2.6	6.5
10	2.8	7.5
11	3.0	7.6
12	3.2	8.0
13	3.4	7.8
14	3.7	7.3
15	3.9	6.9
16	4.4	6.3
17	4.8	5.5
18	5.0*	4.4
19	5.0*	3.6
20	5.0*	3.3
21	5.0*	2.4
22	5.0*	1.7
23	5.0*	1.2
24	5.0*	1.0
25	5.0*	0.6
26	5.0*	0.4
27	5.0*	0.1

* Capped

Note that the test form is shared between 3B and 4-5B.

6.4.2.3 Reading 3C

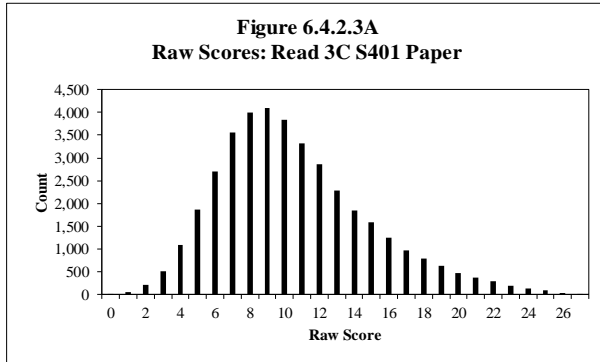


Table 6.4.2.3A

Raw Score Descriptive Statistics: Read 3C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	39,033	0	27	10.52	4.33

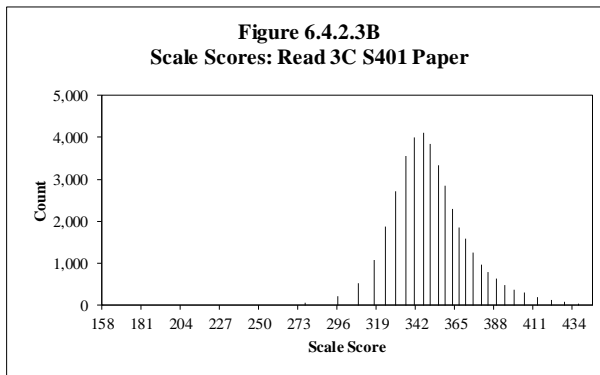


Table 6.4.2.3B

Scale Score Descriptive Statistics: Read 3C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	39,033	158	445	351.36	21.00

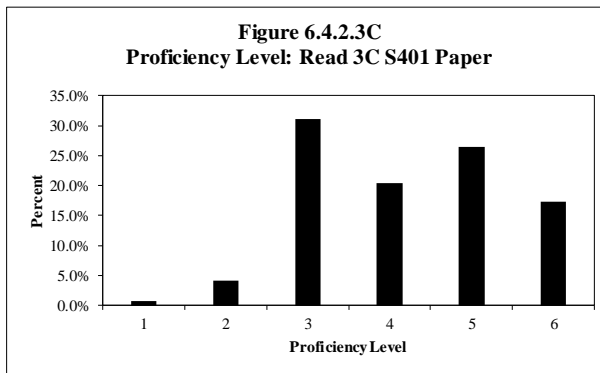


Table 6.4.2.3C

Proficiency Level Distribution: Read 3C S401 Paper

Level	Count	Percent
1	275	0.7%
2	1,605	4.1%
3	12,121	31.1%
4	7,941	20.3%
5	10,323	26.4%
6	6,768	17.3%
Total	39,033	100.0%

Table 6.4.2.3D
Scaling Equation for Reading

$$\text{Reading Scale Score} = (\text{Ability Measure in Logits} * 26.000) + 323.272$$

Table 6.4.2.3E
Equating Summary: Read 3C S401 Paper
Note: No equating was performed for S401.

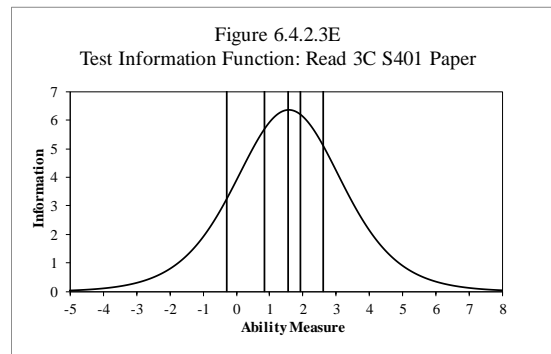
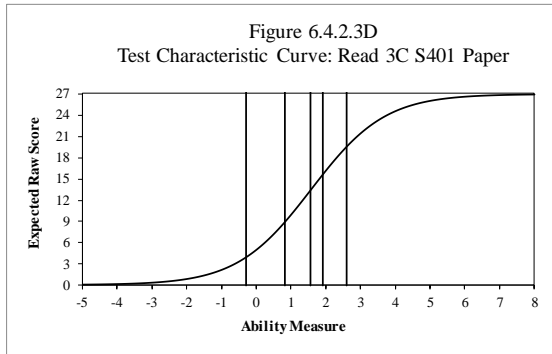


Table 6.4.2.3F
Reliability: Read 3C S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
79,477	27	0.746	2.394

Note that the test form is shared between 3C and 4-5C.

Table 6.4.2.3G

Complete Item Analysis and Summary: Read 3C S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	1.60	1.00	1.01
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.R35C_8655_SIp3_SportsOpinion_301_S401_Paper	0.71	0.92	0.89
2.R35C_8736_SIp4_SportsOpinion_301_S401_Paper	0.97	0.93	0.90
3.R35C_8737_SIp5_SportsOpinion_301_S401_Paper	2.17	1.02	1.05
4.R35C_10079_LAp3_BellandEdison_303_S401_Paper	0.46	0.93	0.88
5.R35C_10080_LAp4_BellandEdison_303_S401_Paper	1.85	0.98	0.98
6.R35C_10081_LAp5_BellandEdison_303_S401_Paper	2.06	1.05	1.07
7.R35C_9352_MAp3_RoofAngles_301_S401_Paper	1.23	1.08	1.11
8.R35C_9353_MAp4_RoofAngles_301_S401_Paper	1.98	1.13	1.17
9.R35C_9354_MAp5_RoofAngles_301_S401_Paper	2.03	1.08	1.13
10.R35C_11634_SCP3_Weathering_303_S401_Paper	1.37	0.96	0.95
11.R35C_11635_SCP4_Weathering_303_S401_Paper	1.14	0.91	0.88
12.R35C_11636_SCP5_Weathering_303_S401_Paper	1.63	1.04	1.05
13.R35C_7217_SSp3_StetsonHat_203_S401_Paper	2.31	1.04	1.05
14.R35C_7218_SSp4_StetsonHat_203_S401_Paper	1.54	1.05	1.05
15.R35C_7219_SSp5_StetsonHat_203_S401_Paper	1.02	0.91	0.89
16.R35C_11807_LAp3_Poetry_303_S401_Paper	1.45	1.05	1.05
17.R35C_11808_LAp4_Poetry_303_S401_Paper	1.18	1.05	1.10
18.R35C_11809_LAp5_Poetry_303_S401_Paper	1.67	0.90	0.88
19.R35C_8606_MAp3_JarContents_301_S401_Paper	1.77	1.08	1.10
20.R35C_8607_MAp4_JarContents_301_S401_Paper	2.37	1.13	1.20
21.R35C_8608_MAp5_JarContents_301_S401_Paper	1.94	0.97	0.96
22.R35C_7931_SCP3_Glaciers_pasz_S401_Paper	1.64	0.97	0.95
23.R35C_7932_SCP4_Glaciers_pasz_S401_Paper	0.91	0.95	0.93
24.R35C_7933_SCP5_Glaciers_pasz_S401_Paper	2.57	1.00	1.05
25.R35C_7159_SSp3_EleanorRoosevelt_203_S401_Paper	1.66	0.95	0.93
26.R35C_7160_SSp4_EleanorRoosevelt_203_S401_Paper	1.98	1.01	1.02
27.R35C_7161_SSp5_EleanorRoosevelt_203_S401_Paper	1.53	0.93	0.92

* No equating was performed for S401. Information on anchored items and their P-values can be found in S303 Annual Technical Report, Table H.

Note that the test form is shared between 3C and 4-5C.

Table 6.4.2.3H

DIF Analysis and Summary: Read 3C S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	13	14	13	14
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.R35C_8655_SIp3_SportsOpinion_301_S401_Paper	A	F	A	H
2.R35C_8736_SIp4_SportsOpinion_301_S401_Paper	A	M	A	H
3.R35C_8737_SIp5_SportsOpinion_301_S401_Paper	A	M	A	H
4.R35C_10079_LAp3_BellandEdison_303_S401_Paper	A	F	A	O
5.R35C_10080_LAp4_BellandEdison_303_S401_Paper	A	M	A	H
6.R35C_10081_LAp5_BellandEdison_303_S401_Paper	A	M	A	O
7.R35C_9352_MAp3_RoofAngles_301_S401_Paper	A	F	A	O
8.R35C_9353_MAp4_RoofAngles_301_S401_Paper	A	F	A	O
9.R35C_9354_MAp5_RoofAngles_301_S401_Paper	A	F	A	H
10.R35C_11634_SCP3_Weathering_303_S401_Paper	A	F	A	O
11.R35C_11635_SCP4_Weathering_303_S401_Paper	A	M	A	O
12.R35C_11636_SCP5_Weathering_303_S401_Paper	A	M	A	O
13.R35C_7217_SSp3_StetsonHat_203_S401_Paper	A	M	A	O
14.R35C_7218_SSp4_StetsonHat_203_S401_Paper	A	F	A	O
15.R35C_7219_SSp5_StetsonHat_203_S401_Paper	A	F	A	H
16.R35C_11807_LAp3_Poetry_303_S401_Paper	A	F	A	H
17.R35C_11808_LAp4_Poetry_303_S401_Paper	A	F	A	H
18.R35C_11809_LAp5_Poetry_303_S401_Paper	A	F	A	H
19.R35C_8606_MAp3_JarContents_301_S401_Paper	A	M	A	O
20.R35C_8607_MAp4_JarContents_301_S401_Paper	A	M	A	H
21.R35C_8608_MAp5_JarContents_301_S401_Paper	A	M	A	O
22.R35C_7931_SCP3_Glaciers_pasz_S401_Paper	A	F	A	H
23.R35C_7932_SCP4_Glaciers_pasz_S401_Paper	A	M	A	O
24.R35C_7933_SCP5_Glaciers_pasz_S401_Paper	A	M	A	H
25.R35C_7159_SSp3_EleanorRoosevelt_203_S401_Paper	A	F	A	H
26.R35C_7160_SSp4_EleanorRoosevelt_203_S401_Paper	A	M	A	O
27.R35C_7161_SSp5_EleanorRoosevelt_203_S401_Paper	A	F	A	O

Note that the test form is shared between 3C and 4-5C.

Table 6.4.2.3I

Raw Score to Scale Score Conversion: Read 3C S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
	Grade 3			
0	158^	250.90	100.00^	495.90
1	277	26.64	250.36	303.64
2	296	19.30	276.70	315.30
3	308	16.15	291.85	324.15
4	317	14.34	302.66	331.34
5	324	13.15	310.85	337.15
6	330	12.32	317.68	342.32
7	336	11.72	324.28	347.72
8	341	11.26	329.74	352.26
9	346	10.93	335.07	356.93
10	350	10.68	339.32	360.68
11	355	10.50	344.50	365.50
12	359	10.39	348.61	369.39
13	363	10.33	352.67	373.33
14	367	10.33	356.67	377.33
15	371	10.38	360.62	381.38
16	375	10.49	364.51	385.49
17	380	10.66	369.34	390.66
18	384	10.90	373.10	394.90
19	389	11.24	377.76	400.24
20	394	11.68	382.32	405.68
21	399	12.29	386.71	411.29
22	405	13.12	391.88	418.12
23	413	14.30	398.70	427.30
24	421	16.11	404.89	437.11
25	429*	18.20	414.80	451.20
26	437*	20.54	432.46	473.54
27	445*	23.66	461.34	508.66

^ Truncated

* Adjusted for end of scale effect

Note that the test form is shared between 3C and 4-5C.

Table 6.4.2.3J

Raw Score to Proficiency Level Conversion: Read 3C S401 Paper

Raw Score	Grade 3	
	Proficiency Level Score	% of Students
0	1.0	0.0
1	1.8	0.1
2	1.9	0.5
3	2.4	1.3
4	2.7	2.8
5	3.0	4.8
6	3.3	6.9
7	3.6	9.1
8	3.9	10.3
9	4.4	10.5
10	4.8	9.8
11	5.1	8.5
12	5.3	7.3
13	5.6	5.8
14	5.8	4.7
15	6.0	4.0
16	6.0	3.2
17	6.0	2.5
18	6.0	2.0
19	6.0	1.6
20	6.0	1.2
21	6.0	0.9
22	6.0	0.8
23	6.0	0.5
24	6.0	0.3
25	6.0	0.2
26	6.0	0.1
27	6.0	0.0

Note that the test form is shared between 3C and 4-5C.

6.4.3 Writing 3

6.4.3.1 Writing 3A

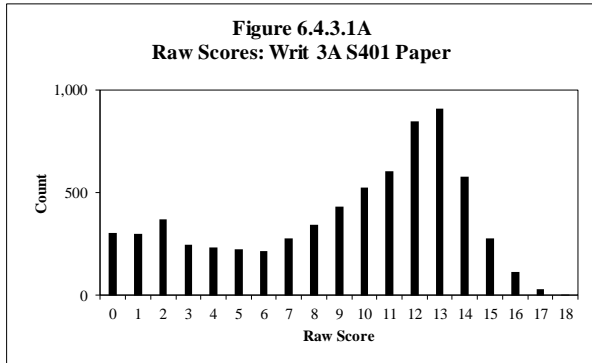


Table 6.4.3.1A

Raw Score Descriptive Statistics: Writ 3A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	6,831	0	18	9.10	4.54

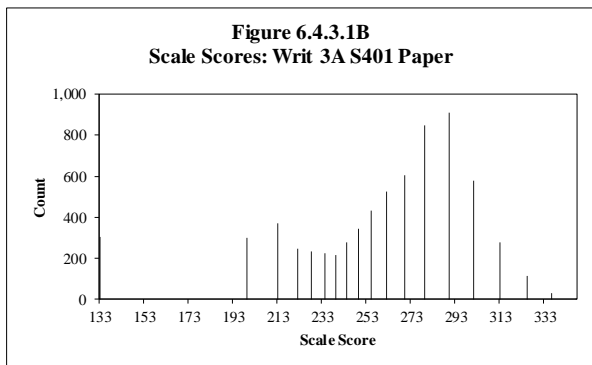


Table 6.4.3.1B

Scale Score Descriptive Statistics: Writ 3A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	6,831	133	347	258.07	40.84

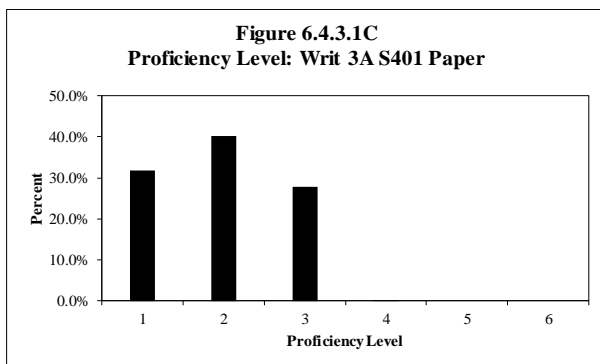


Table 6.4.3.1C

Proficiency Level Distribution: Writ 3A S401 Paper

Level	Count	Percent
1	2,172	31.8%
2	2,749	40.2%
3	1,906	27.9%
4	4	0.1%
5	0	0.0%
6	0	0.0%
Total	6,831	100.0%

Table 6.4.3.1D

Scaling Equation for Writing

Writing Scale Score = (Ability Measure in Logits*26.851) + 303.332

Table 6.4.3.1E

Equating Summary: Writ 3A S401 Paper

Comparison of Forms*	Form 401		Form 400			
	No. of Tasks	Average Difficulty (Std. Dev.)	No. of Tasks	Average Difficulty (Std. Dev.)		
	3	0.11 (0.22)	3	0.83 (0.06)		
	Easiest	Hardest	Easiest	Hardest		
	-0.10	0.33	0.78	0.89		
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)				
	3	0.11 (0.22)				
	No. of Anchors Used	Average Difficulty (Std. Dev.)				
	3	0.11 (0.22)				
	Percentage Anchors	Average Displacement				
100%	0.01					
Common Rating Scale Step Measures	Anchored Scale Steps					
	Step	Measure				
	1	-2.47				
	2	-2.78				
	3	-2.61				
	4	-1.68				
	5	-0.48				
	6	0.97				
	7	2.25				
	8	3.21				
9	3.59					
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty		
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement
	14259	0.33	-0.13	14257	-0.10	0.16
	14258	0.10	-0.01	14258	0.10	-0.01
	14257	-0.10	0.16	14259	0.33	-0.13

* No equating was performed for the previous series (S400).

Note that the test form is shared between 2A and 3A.

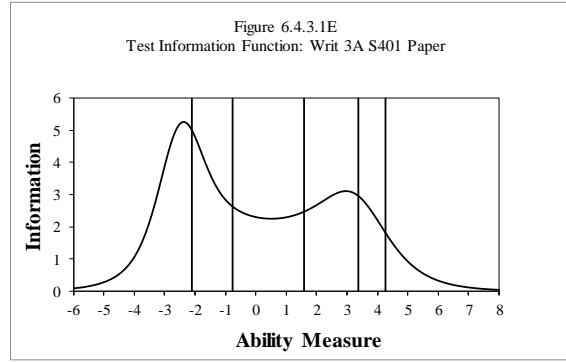
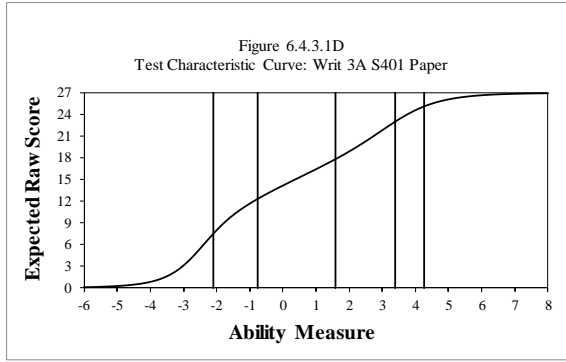


Table 6.4.3.1F

Reliability: Writ 3A S401 Paper

Reliability	No. of Students	No. of Tasks	Cronbach's Alpha		SEM
		17,099	3	0.910	
Interrater Reliability	Task	No. in Sample	%AG	%AD	%NA
	1	3,866	96	4	0
	2	3,867	97	3	0
	3	4,563	97	2	0

Note that the test form is shared between 2A and 3A.

Table 6.4.3.1G

Complete Task Analysis and Summary: Writ 3A S401 Paper

Task Type		Average Task Difficulty (in logits)	No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square
Constructed Response		0.11	3	0.42	0.41
Name	Task Difficulty (in logits)	Anchored?	Fit Statistics		
			Infit Mnsq	Outfit Mnsq	
1.W23A_14257_Slp3_WritingTime_P100_S401_Paper	-0.10	Yes	0.51	0.51	
2.W23A_14258_LAp3_Umbrella_203_P100_A302_S401_Paper	0.10	Yes	0.34	0.34	
3.W23A_14259_MSp3_GiraffeCheetah_P100_S401_Paper	0.33	Yes	0.40	0.39	
Raw Score Distribution by Task	Raw Score	Task 1	Task 2	Task 3	
	0	9.70%	10.00%	18.40%	
	1	18.20%	16.10%	9.90%	
	2	12.70%	8.10%	9.80%	
	3	9.10%	20.20%	21.50%	
	4	24.40%	35.80%	30.20%	
	5	22.60%	8.80%	8.60%	
	6	3.30%	0.90%	1.40%	
	7	0.00%	0.10%	0.10%	
	8	0.00%	0.00%	0.00%	
9	0.00%	0.00%	0.00%		

Note that the test form is shared between 2A and 3A.

Table 6.4.3.1H

DIF Analysis and Summary: Writ 3A S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	2	1	1	2
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.W23A_14257_Slp3_WritingTime_P100_S401_Paper	AA	M	AA	H
2.W23A_14258_LAp3_Umbrella_203_P100_A302_S401_Paper	AA	F	AA	O
3.W23A_14259_MSp3_GiraffeCheetah_P100_S401_Paper	AA	M	AA	O

Note that the test form is shared between 2A and 3A.

Table 6.4.3.1I

Raw Score to Scale Score Conversion: Writ 3A S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	133^	108.75	100.00^	281.75
1	199	23.41	175.59	222.41
2	213	16.41	196.59	229.41
3	222	13.77	208.23	235.77
4	228	12.51	215.49	240.51
5	234	11.90	222.10	245.90
6	239	11.71	227.29	250.71
7	244	11.84	232.16	255.84
8	249	12.27	236.73	261.27
9	255	13.02	241.98	268.02
10	262	14.02	247.98	276.02
11	270	15.20	254.80	285.20
12	279	16.27	262.73	295.27
13	290	17.10	272.90	307.10
14	301	17.64	283.36	318.64
15	313	17.88	295.12	330.88
16	325	17.83	307.17	342.83
17	336	17.51	318.49	353.51
18	347	16.97	330.03	363.97
19	358	16.33	341.67	374.33
20	367	15.73	351.27	382.73
21	376	15.33	360.67	391.33
22	385	15.25	369.75	400.25
23	394	15.65	378.35	409.65
24	403	16.81	386.19	419.81
25	415	19.41	395.59	434.41
26	434	26.50	407.50	460.50
27	465	48.41	416.59	513.41

^ Truncated

Note that the test form is shared between 2A and 3A.

Table 6.4.3.1J

Raw Score to Proficiency Level Conversion: Writ 3A S401 Paper

Raw Score	Grade 3	
	Proficiency Level Score	% of Students
0	1.0	4.5
1	1.5	4.4
2	1.7	5.4
3	1.7	3.6
4	1.8	3.4
5	1.8	3.3
6	1.9	3.2
7	1.9	4.1
8	2.0	5.0
9	2.2	6.3
10	2.4	7.7
11	2.6	8.9
12	2.8	12.4
13	3.1	13.3
14	3.2	8.5
15	3.4	4.1
16	3.6	1.6
17	3.8	0.4
18	4.0	0.1
19	4.2	0.0
20	4.4	0.0
21	4.6	0.0
22	4.8	0.0
23	5.0	0.0
24	5.3	0.0
25	5.8	0.0
26	6.0	0.0
27	6.0	0.0

Note that the test form is shared between 2A and 3A.

6.4.3.2 Writing 3B

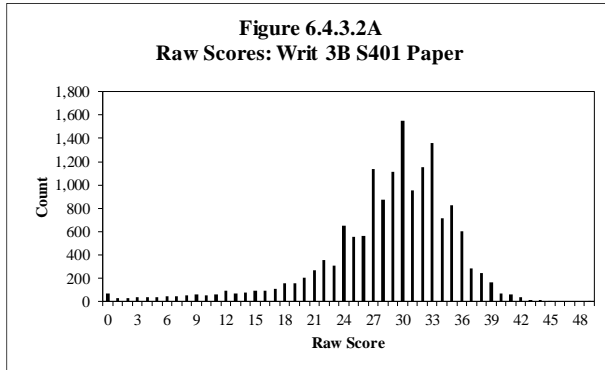


Table 6.4.3.2A

Raw Score Descriptive Statistics: Writ 3B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	15,490	0	49	28.41	6.94

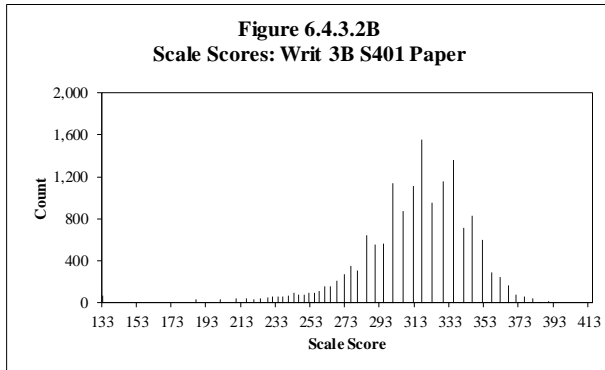


Table 6.4.3.2B

Scale Score Descriptive Statistics: Writ 3B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	15,490	133	415	310.96	33.92

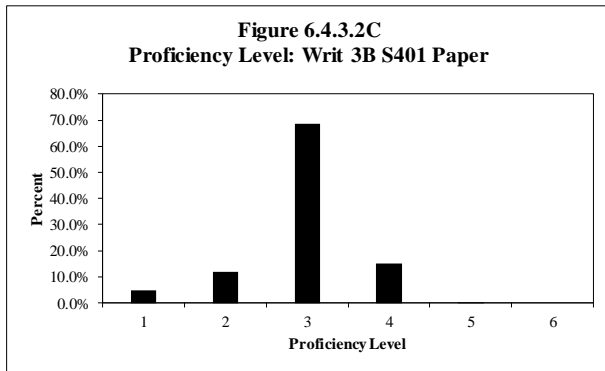


Table 6.4.3.2C

Proficiency Level Distribution: Writ 3B S401 Paper

Level	Count	Percent
1	727	4.7%
2	1,829	11.8%
3	10,618	68.5%
4	2,311	14.9%
5	5	0.0%
6	0	0.0%
Total	15,490	100.0%

Table 6.4.3.2D

Scaling Equation for Writing

Writing Scale Score = (Ability Measure in Logits*26.851) + 303.332

Table 6.4.3.2E

Equating Summary: Writ 3B S401 Paper

Comparison of Forms*	Form 401		Form 400			
	No. of Tasks	Average Difficulty (Std. Dev.)	No. of Tasks	Average Difficulty (Std. Dev.)		
	3	0.47 (0.55)	3	0.16 (0.26)		
	Easiest	Hardest	Easiest	Hardest		
-0.14	0.95	-0.11	0.41			
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)				
	2	0.77 (0.26)				
	No. of Anchors Used	Average Difficulty (Std. Dev.)				
	1	0.58 (N/A)				
	Percentage Anchors	Average Displacement				
33%	0.00					
Common Rating Scale Step Measures	Anchored Scale Steps					
	Step	Measure				
	1	-2.47				
	2	-2.78				
	3	-2.61				
	4	-1.68				
	5	-0.48				
	6	0.97				
	7	2.25				
	8	3.21				
9	3.59					
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty		
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement
	14261	0.58	0.00	14261	0.58	0.00

* No equating was performed for the previous series (S400).

Note that the test form is shared between 2B, 2C, 3B, and 3C.

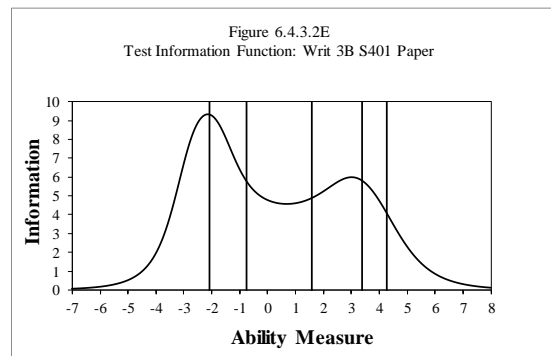
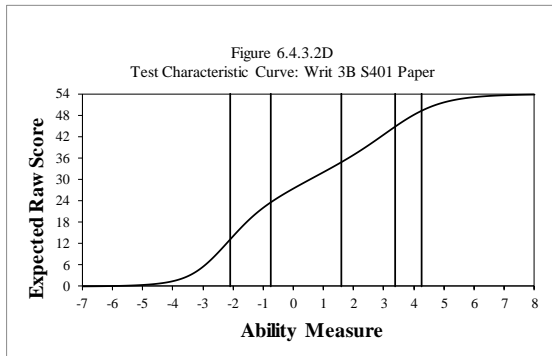


Table 6.4.3.2F

Reliability: Writ 3B S401 Paper

Reliability	No. of Students	No. of Tasks	Cronbach's Alpha		SEM
		117,759	3	0.932	
Interrater Reliability	Task	No. in Sample	%AG	%AD	%NA
	1	23,050	95	5	0
	2	23,078	94	6	0
	3	23,074	94	5	0

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.4.3.2G

Complete Task Analysis and Summary: Writ 3B S401 Paper

Task Type		Average Task Difficulty (in logits)	No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square
Constructed Response		0.47	3	0.56	0.55
Name		Task Difficulty (in logits)	Anchored?	Fit Statistics	
				Infit Mnsq	Outfit Mnsq
1.W23BC_14260_SIp4_GrownUpJobs_203_P100_A302_S401_Paper		0.95		0.82	0.81
2.W23BC_14261_MSp5_Plants_MaBaPaLe_P100_A203_S401_Paper		0.58	Yes	0.53	0.52
3.W23BC_14480_ITp5_LibrarySale_401_S401_Paper		-0.14		0.33	0.31
Raw Score Distribution by Task		Raw Score	Task 1	Task 2	Task 3
		0	0.90%	1.20%	1.40%
		1	1.10%	1.40%	1.20%
		2	2.70%	2.40%	2.10%
		3	6.40%	7.70%	4.60%
		4	34.30%	28.80%	15.70%
		5	39.60%	38.00%	35.80%
		6	13.10%	17.70%	31.70%
		7	1.70%	2.60%	6.50%
		8	0.20%	0.30%	0.80%
		9	0.00%	0.00%	0.10%

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.4.3.2H

DIF Analysis and Summary: Writ 3B S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	1	2	1	2
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.W23BC_14260_SIp4_GrownUpJobs_203_P100_A302_S401_Paper	AA	F	AA	O
2.W23BC_14261_MSp5_Plants_MaBaPaLe_P100_A203_S401_Paper	AA	F	AA	O
3.W23BC_14480_ITp5_LibrarySale_401_S401_Paper	AA	M	AA	H

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.4.3.21

Raw Score to Scale Score Conversion: Writ 3B S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound	Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	133^	80.82	100.00^	239.82	34	341	12.30	328.70	353.30
1	187	24.19	162.81	211.19	35	346	12.14	333.86	358.14
2	201	16.54	184.46	217.54	36	352	11.95	340.05	363.95
3	210	13.45	196.55	223.45	37	357	11.73	345.27	368.73
4	216	11.79	204.21	227.79	38	362	11.52	350.48	373.52
5	220	10.77	209.23	230.77	39	367	11.33	355.67	378.33
6	224	10.10	213.90	234.10	40	371	11.17	359.83	382.17
7	228	9.64	218.36	237.64	41	376	11.06	364.94	387.06
8	231	9.32	221.68	240.32	42	381	10.98	370.02	391.98
9	234	9.10	224.90	243.10	43	385	10.98	374.02	395.98
10	237	8.94	228.06	245.94	44	390	11.04	378.96	401.04
11	240	8.86	231.14	248.86	45	394	11.14	382.86	405.14
12	243	8.81	234.19	251.81	46	399	11.38	387.62	410.38
13	246	8.78	237.22	254.78	47	404	11.71	392.29	415.71
14	249	8.81	240.19	257.81	48	409	12.19	396.81	421.19
15	252	8.89	243.11	260.89	49	415	12.92	402.08	427.92
16	255	9.00	246.00	264.00	50	422	13.99	408.01	435.99
17	258	9.13	248.87	267.13	51	430	15.73	414.27	445.73
18	261	9.32	251.68	270.32	52	441	18.88	422.12	459.88
19	264	9.56	254.44	273.56	53	459	26.45	432.55	485.45
20	268	9.85	258.15	277.85	54	490	48.60	441.40	538.60
21	272	10.20	261.80	282.20					
22	276	10.55	265.45	286.55					
23	280	10.96	269.04	290.96					
24	285	11.33	273.67	296.33					
25	290	11.65	278.35	301.65					
26	295	11.95	283.05	306.95					
27	300	12.19	287.81	312.19					
28	306	12.38	293.62	318.38					
29	312	12.49	299.51	324.49					
30	317	12.57	304.43	329.57					
31	323	12.57	310.43	335.57					
32	329	12.51	316.49	341.51					
33	335	12.43	322.57	347.43					

^ Truncated

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.4.3.2J

Raw Score to Proficiency Level Conversion: Writ 3B S401 Paper

Raw Score	Grade 3	
	Proficiency Level Score	% of Students
0	1.0	0.4
1	1.4	0.2
2	1.5	0.2
3	1.6	0.2
4	1.7	0.2
5	1.7	0.2
6	1.7	0.3
7	1.8	0.3
8	1.8	0.3
9	1.8	0.4
10	1.9	0.3
11	1.9	0.4
12	1.9	0.6
13	1.9	0.5
14	2.0	0.5
15	2.1	0.6
16	2.2	0.6
17	2.3	0.7
18	2.3	1.0
19	2.4	1.0
20	2.5	1.3
21	2.6	1.7
22	2.8	2.3
23	2.9	2.0
24	3.0	4.2
25	3.1	3.6
26	3.1	3.6
27	3.2	7.4
28	3.3	5.7
29	3.4	7.2
30	3.5	10.0
31	3.6	6.1
32	3.7	7.4
33	3.8	8.8
34	3.9	4.6
35	4.0	5.3
36	4.1	3.9
37	4.2	1.8
38	4.3	1.6
39	4.4	1.1
40	4.5	0.5
41	4.6	0.4
42	4.7	0.2
43	4.8	0.1
44	4.9	0.1
45	5.0	0.0
46	5.2	0.0
47	5.4	0.0
48	5.6	0.0
49	5.8	0.0
50	6.0	0.0
51	6.0	0.0
52	6.0	0.0
53	6.0	0.0
54	6.0	0.0

Note that the test form is shared between 2B, 2C, 3B, and 3C.

6.4.3.3 Writing 3C

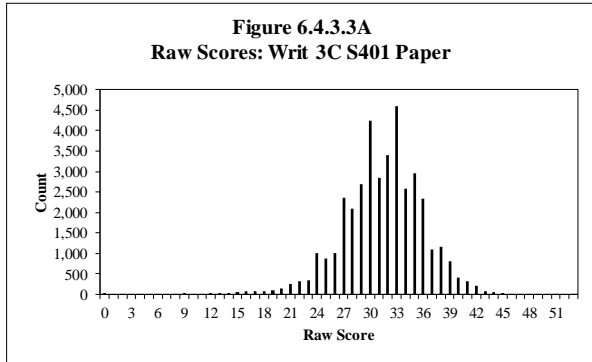


Table 6.4.3.3A

Raw Score Descriptive Statistics: Writ 3C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	39,037	0	53	31.33	4.88

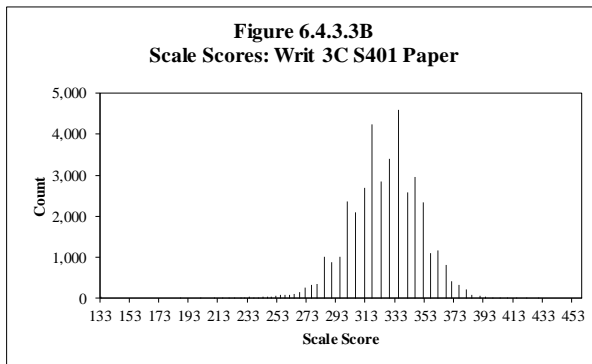


Table 6.4.3.3B

Scale Score Descriptive Statistics: Writ 3C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	39,037	133	459	325.46	25.82

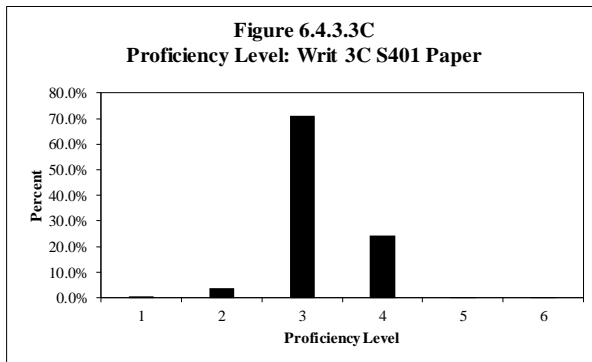


Table 6.4.3.3C

Proficiency Level Distribution: Writ 3C S401 Paper

Level	Count	Percent
1	256	0.7%
2	1,509	3.9%
3	27,704	71.0%
4	9,484	24.3%
5	80	0.2%
6	4	0.0%
Total	39,037	100.0%

Table 6.4.3.3D

Scaling Equation for Writing

Writing Scale Score = (Ability Measure in Logits*26.851) + 303.332

Table 6.4.3.3E

Equating Summary: Writ 3C S401 Paper

Comparison of Forms*	Form 401			Form 400					
	No. of Tasks	Average Difficulty (Std. Dev.)		No. of Tasks	Average Difficulty (Std. Dev.)				
	3	0.47 (0.55)		3	0.16 (0.26)				
	Easiest	Hardest		Easiest	Hardest				
-0.14	0.95		-0.11	0.41					
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)							
	2	0.77 (0.26)							
	No. of Anchors Used	Average Difficulty (Std. Dev.)							
	1	0.58 (N/A)							
	Percentage Anchors	Average Displacement							
33%	0.00								
Common Rating Scale Step Measures	Anchored Scale Steps								
	Step	Measure							
	1	-2.47							
	2	-2.78							
	3	-2.61							
	4	-1.68							
	5	-0.48							
	6	0.97							
	7	2.25							
	8	3.21							
9	3.59								
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty					
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement			
	14261	0.58	0.00	14261	0.58	0.00			

* No equating was performed for the previous series (S400).

Note that the test form is shared between 2B, 2C, 3B, and 3C.

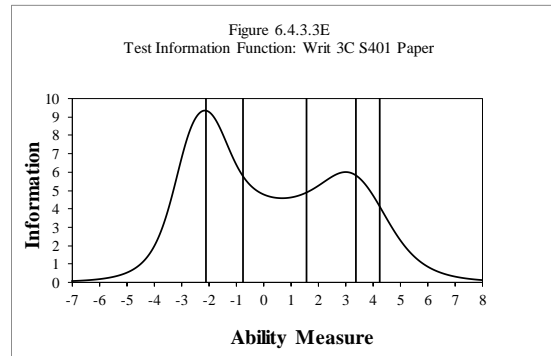
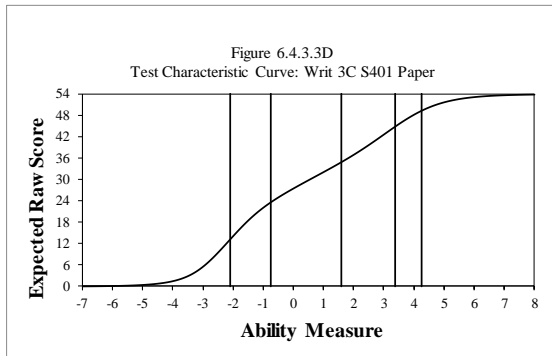


Table 6.4.3.3F

Reliability: Writ 3C S401 Paper

Reliability	No. of Students	No. of Tasks	Cronbach's Alpha		SEM
		117,759	3	0.932	
Interrater Reliability	Task	No. in Sample	%AG	%AD	%NA
	1	23,050	95	5	0
	2	23,078	94	6	0
	3	23,074	94	5	0

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.4.3.3G

Complete Task Analysis and Summary: Writ 3C S401 Paper

Task Type		Average Task Difficulty (in logits)	No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square
Constructed Response		0.47	3	0.56	0.55
Name	Task Difficulty (in logits)	Anchored?	Fit Statistics		
			Infit Mnsq	Outfit Mnsq	
1.W23BC_14260_SIp4_GrownUpJobs_203_P100_A302_S401_Paper		0.95		0.82	0.81
2.W23BC_14261_MSp5_Plants_MaBaPaLe_P100_A203_S401_Paper		0.58	Yes	0.53	0.52
3.W23BC_14480_ITp5_LibrarySale_401_S401_Paper		-0.14		0.33	0.31
Raw Score Distribution by Task		Raw Score	Task 1	Task 2	Task 3
		0	0.90%	1.20%	0.00%
		1	1.10%	1.40%	1.40%
		2	2.70%	2.40%	1.20%
		3	6.40%	7.70%	2.10%
		4	34.30%	28.80%	4.60%
		5	39.60%	38.00%	15.70%
		6	13.10%	17.70%	35.80%
		7	1.70%	2.60%	31.70%
		8	0.20%	0.30%	6.50%
		9	0.00%	0.00%	0.80%

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.4.3.3H

DIF Analysis and Summary: Writ 3C S401 Paper

DIF Summary	Male/Female		Hispanic/Other		
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)	
AA	1	2	1	2	
BB	0	0	0	0	
CC	0	0	0	0	
Name	Male/Female		Hispanic/Other		
	DIF Level	Favored Group	DIF Level	Favored Group	
1.W23BC_14260_SIp4_GrownUpJobs_203_P100_A302_S401_Paper		AA	F	AA	O
2.W23BC_14261_MSp5_Plants_MaBaPaLe_P100_A203_S401_Paper		AA	F	AA	O
3.W23BC_14480_ITp5_LibrarySale_401_S401_Paper		AA	M	AA	H

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.4.3.3I

Raw Score to Scale Score Conversion: Writ 3C S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound	Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	133^	80.82	100.00^	239.82	34	341	12.30	328.70	353.30
1	187	24.19	162.81	211.19	35	346	12.14	333.86	358.14
2	201	16.54	184.46	217.54	36	352	11.95	340.05	363.95
3	210	13.45	196.55	223.45	37	357	11.73	345.27	368.73
4	216	11.79	204.21	227.79	38	362	11.52	350.48	373.52
5	220	10.77	209.23	230.77	39	367	11.33	355.67	378.33
6	224	10.10	213.90	234.10	40	371	11.17	359.83	382.17
7	228	9.64	218.36	237.64	41	376	11.06	364.94	387.06
8	231	9.32	221.68	240.32	42	381	10.98	370.02	391.98
9	234	9.10	224.90	243.10	43	385	10.98	374.02	395.98
10	237	8.94	228.06	245.94	44	390	11.04	378.96	401.04
11	240	8.86	231.14	248.86	45	394	11.14	382.86	405.14
12	243	8.81	234.19	251.81	46	399	11.38	387.62	410.38
13	246	8.78	237.22	254.78	47	404	11.71	392.29	415.71
14	249	8.81	240.19	257.81	48	409	12.19	396.81	421.19
15	252	8.89	243.11	260.89	49	415	12.92	402.08	427.92
16	255	9.00	246.00	264.00	50	422	13.99	408.01	435.99
17	258	9.13	248.87	267.13	51	430	15.73	414.27	445.73
18	261	9.32	251.68	270.32	52	441	18.88	422.12	459.88
19	264	9.56	254.44	273.56	53	459	26.45	432.55	485.45
20	268	9.85	258.15	277.85	54	490	48.60	441.40	538.60
21	272	10.20	261.80	282.20					
22	276	10.55	265.45	286.55					
23	280	10.96	269.04	290.96					
24	285	11.33	273.67	296.33					
25	290	11.65	278.35	301.65					
26	295	11.95	283.05	306.95					
27	300	12.19	287.81	312.19					
28	306	12.38	293.62	318.38					
29	312	12.49	299.51	324.49					
30	317	12.57	304.43	329.57					
31	323	12.57	310.43	335.57					
32	329	12.51	316.49	341.51					
33	335	12.43	322.57	347.43					

^ Truncated

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.4.3.3J

Raw Score to Proficiency Level Conversion: Writ 3C S401 Paper

Raw Score	Grade 3	
	Proficiency Level Score	% of Students
0	1.0	0.1
1	1.4	0.0
2	1.5	0.0
3	1.6	0.0
4	1.7	0.0
5	1.7	0.0
6	1.7	0.0
7	1.8	0.0
8	1.8	0.0
9	1.8	0.1
10	1.9	0.1
11	1.9	0.1
12	1.9	0.1
13	1.9	0.1
14	2.0	0.1
15	2.1	0.1
16	2.2	0.2
17	2.3	0.2
18	2.3	0.2
19	2.4	0.3
20	2.5	0.4
21	2.6	0.7
22	2.8	0.8
23	2.9	0.9
24	3.0	2.6
25	3.1	2.2
26	3.1	2.6
27	3.2	6.1
28	3.3	5.3
29	3.4	6.9
30	3.5	10.9
31	3.6	7.3
32	3.7	8.7
33	3.8	11.8
34	3.9	6.6
35	4.0	7.6
36	4.1	6.0
37	4.2	2.8
38	4.3	3.0
39	4.4	2.1
40	4.5	1.0
41	4.6	0.8
42	4.7	0.6
43	4.8	0.2
44	4.9	0.2
45	5.0	0.1
46	5.2	0.0
47	5.4	0.1
48	5.6	0.0
49	5.8	0.0
50	6.0	0.0
51	6.0	0.0
52	6.0	0.0
53	6.0	0.0
54	6.0	0.0

Note that the test form is shared between 2B, 2C, 3B, and 3C.

6.4.4 Speaking 3

6.4.4.1 Speaking 3A

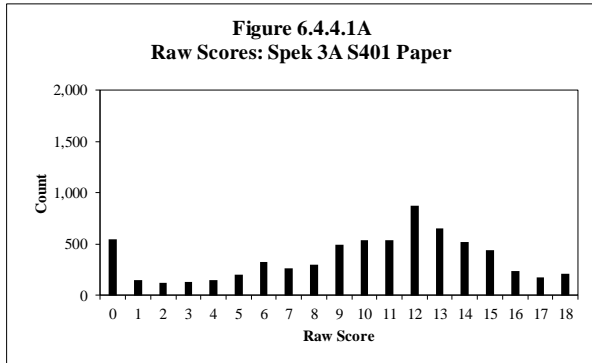


Table 6.4.4.1A

Raw Score Descriptive Statistics: Spek 3A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	6,828	0	18	9.86	4.83

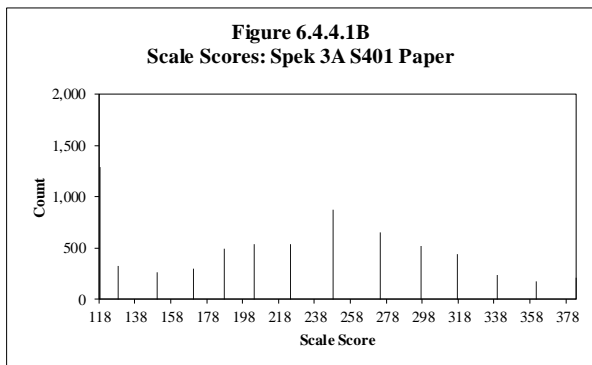


Table 6.4.4.1B

Scale Score Descriptive Statistics: Spek 3A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	6,828	118	383	221.43	77.30

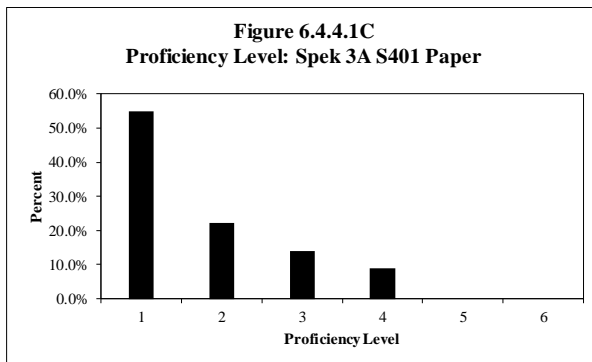


Table 6.4.4.1C

Proficiency Level Distribution: Spek 3A S401 Paper

Level	Count	Percent
1	3,742	54.8%
2	1,523	22.3%
3	954	14.0%
4	609	8.9%
5	0	0.0%
6	0	0.0%
Total	6,828	100.0%

Table 6.4.4.1D

Scaling Equation for Speaking

Speaking Scale Score = (Ability Measure in Logits*29.248) + 265.076
--

Table 6.4.4.1E

Equating Summary: Spek 3A S401 Paper

Comparison of Forms*	Form 401			Form 400				
	No. of Tasks	Average Difficulty (Std. Dev.)		No. of Tasks	Average Difficulty (Std. Dev.)			
	10	-1.78 (3.01)		10	0.00 (2.84)			
	Easiest	Hardest		Easiest	Hardest			
-6.11	1.07		-4.30	2.59				
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)						
	10	-1.78 (3.01)						
	No. of Anchors Used	Average Difficulty (Std. Dev.)						
	7	0.05 (0.68)						
	Percentage Anchors	Average Displacement						
70%	-0.02							
Rating Scale Step Measures by Task	Anchored Scale Steps							
	Task	Step	Measure					
	PL 1 Tasks	1	0.56					
		2	-0.56					
	PL 3/PL 5 Tasks	1	-2.65					
		2	-1.80					
		3	1.46					
4		2.98						
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty				
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement		
	14582	-0.26	-0.24	14569	-0.93	0.04		
	14202	0.20	-0.12	14571	-0.58	0.06		
	14570	0.48	-0.03	14582	-0.26	-0.24		
	14569	-0.93	0.04	14202	0.20	-0.12		
	14572	1.07	0.04	14581	0.38	0.12		
	14571	-0.58	0.06	14570	0.48	-0.03		
	14581	0.38	0.12	14572	1.07	0.04		

* No equating was performed for the previous series (S400).

Note that this table includes all tasks across tiers for this cluster, and that Cluster 2 and Cluster 3 share the same form.

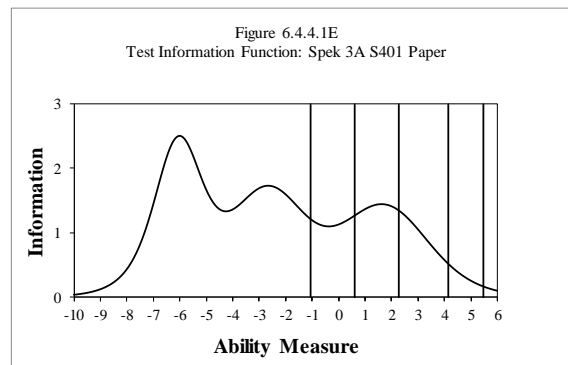
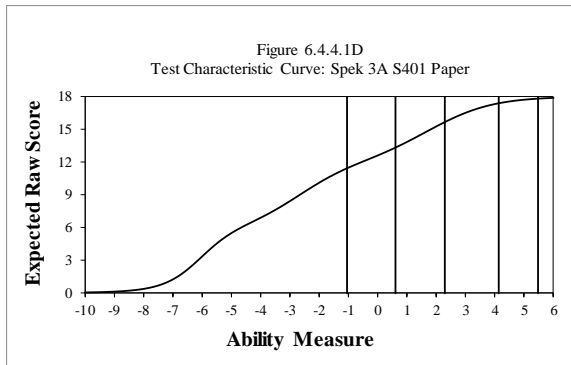


Table 6.4.4.1F

Reliability: Spek 3A S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
17,093	6	0.921	1.341

Note that the test form is shared between 2A and 3A.

Table 6.4.4.1G

Complete Task Analysis and Summary: Spek 3A S401 Paper

Task Type	Average Task Difficulty (in logits)		No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square	
Constructed Response	-1.78		12	0.58	0.50	
Name	Tier	Task Difficulty (in logits)	Anchored?	Fit Statistics		
				Infit Mnsq	Outfit Mnsq	
1.S23A_SI_Playground_401_14579_P1	A	-6.11		0.61	0.22	
2.S23A_SI_Playground_401_14580_P3	A*	-0.93	Yes	0.66	0.70	
3.S23C_SI_Playground_401_14569_P3	B/C*	-0.93	Yes	0.66	0.70	
4.S23C_SI_Playground_401_V2_14570_P5	B/C	0.48	Yes	0.59	0.62	
5.S23A_LA_ClassGarden_P100_New_ALT_14201_P1_401	A	-5.98		0.50	0.23	
6.S23A_LA_ClassGarden_P100_New_ALT_14202_P3_401	A	0.20	Yes	0.50	0.51	
7.S23C_LS_ClassGarden_401_14581_P3	B/C	0.38	Yes	0.54	0.56	
8.S23C_LS_ClassGarden_401_14582_P5	B/C	-0.26	Yes	0.59	0.61	
9.S23A_MS_WaterCycle_401_V1_14575_P1	A	-6.10		0.47	0.17	
10.S23A_MS_WaterCycle_401_V1_14576_P3	A*	-0.58	Yes	0.60	0.62	
11.S23C_MS_WaterCycle_401_V1_14571_P3	B/C*	-0.58	Yes	0.60	0.62	
12.S23C_MS_WaterCycle_401_V1_14572_P5	B/C	1.07	Yes	0.74	0.76	
Raw Score Distribution by Task	Task	Raw Score				
		0	1	2	3	4
	Task 1	11.17%	14.88%	73.95%	N/A	N/A
	Task 2	2.21%	5.21%	28.09%	39.77%	24.71%
	Task 3	2.21%	5.21%	28.09%	39.77%	24.71%
	Task 4	0.68%	7.12%	34.17%	39.29%	18.75%
	Task 5	13.21%	15.31%	71.48%	N/A	N/A
	Task 6	15.88%	26.81%	32.16%	19.04%	6.11%
	Task 7	0.43%	4.33%	30.99%	40.34%	23.91%
	Task 8	0.81%	6.63%	29.56%	39.89%	23.12%
	Task 9	12.82%	15.09%	72.08%	N/A	N/A
	Task 10	2.91%	8.35%	28.04%	37.30%	23.40%
	Task 11	2.91%	8.35%	28.04%	37.30%	23.40%
Task 12	1.53%	14.14%	37.05%	32.11%	15.16%	

* Task is shared between A and B/C.

Note that this table includes all tasks across tiers for this cluster, and that Cluster 2 and Cluster 3 share the same form.

Table 6.4.4.1H

DIF Analysis and Summary: Spek 3A S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	2	4	3	3
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.S23A_14579_Slp1_Playground_401_S401_Paper	AA	M	AA	O
2.S23A_14580_Slp3_Playground_401_S401_Paper	AA	M	AA	O
3.S23A_14201_LAp1_ClassGarden_P100_New_ALT_S401_Paper	AA	F	AA	H
4.S23A_14202_LAp3_ClassGarden_P100_New_ALT_S401_Paper	AA	F	AA	H
5.S23A_14575_MSp1_WaterCycle_401_V1_S401_Paper	AA	F	AA	H
6.S23A_14576_MSp3_WaterCycle_401_V1_S401_Paper	AA	F	AA	O

Note that the test form is shared between 2A and 3A.

Table 6.4.4.11

Raw Score to Scale Score Conversion: Spek 3A S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	118^	22.81	100.00^	100.00^
1	118^	22.81	100.00^	100.00^
2	118^	22.81	100.00^	100.00^
3	118^	22.81	100.00^	107.81
4	118^	22.81	100.00^	119.81
5	118^	22.81	100.00^	132.81
6	128	24.57	103.43	152.57
7	150	24.86	125.14	174.86
8	170	23.11	146.89	193.11
9	187	22.23	164.77	209.23
10	204	23.11	180.89	227.11
11	224	25.45	198.55	249.45
12	248	27.79	220.21	275.79
13	274	26.62	247.38	300.62
14	297	24.86	272.14	321.86
15	317	24.57	292.43	341.57
16	339	26.03	312.97	365.03
17	361*	31.00	336.00	398.00
18	383*	39.48	368.52	447.48

^ Truncated

* Adjusted for end of scale effect

Note that the test form is shared between 2A and 3A.

Table 6.4.4.1J

Raw Score to Proficiency Level Conversion: Spek 3A S401 Paper

Raw Score	Grade 3	
	Proficiency Level Score	% of Students
0	1.0	8.0
1	1.0	2.2
2	1.0	1.7
3	1.0	1.9
4	1.0	2.1
5	1.0	2.9
6	1.0	4.8
7	1.2	3.9
8	1.4	4.3
9	1.5	7.2
10	1.7	7.9
11	1.9	7.9
12	2.2	12.8
13	2.8	9.5
14	3.2	7.5
15	3.6	6.4
16	4.1	3.4
17	4.5	2.5
18	4.9	3.0

Note that the test form is shared between 2A and 3A.

6.4.4.2 Speaking 3B

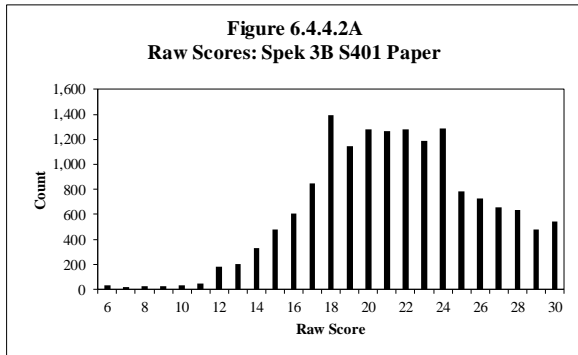


Table 6.4.4.2A
Raw Score Descriptive Statistics: Spek 3B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	15,479	6	30	21.44	4.47

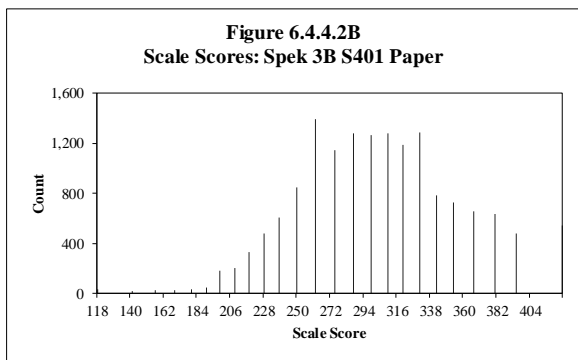


Table 6.4.4.2B
Scale Score Descriptive Statistics: Spek 3B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	15,479	118	425	303.61	53.31

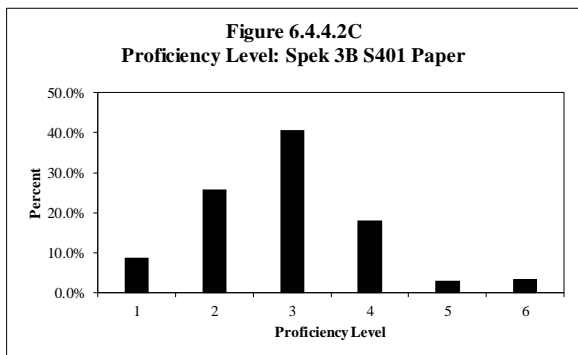


Table 6.4.4.2C
Proficiency Level Distribution: Spek 3B S401 Paper

Level	Count	Percent
1	1,358	8.8%
2	3,999	25.8%
3	6,296	40.7%
4	2,800	18.1%
5	480	3.1%
6	546	3.5%
Total	15,479	100.0%

Table 6.4.4.2D

Scaling Equation for Speaking

Speaking Scale Score = (Ability Measure in Logits*29.248) + 265.076
--

Table 6.4.4.2E

Equating Summary: Spek 3B S401 Paper

Comparison of Forms*	Form 401			Form 400				
	No. of Tasks	Average Difficulty (Std. Dev.)		No. of Tasks	Average Difficulty (Std. Dev.)			
	10	-1.78 (3.01)		10	0.00 (2.84)			
	Easiest	Hardest		Easiest	Hardest			
-6.11	1.07		-4.30	2.59				
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)						
	10	-1.78 (3.01)						
	No. of Anchors Used	Average Difficulty (Std. Dev.)						
	7	0.05 (0.68)						
	Percentage Anchors	Average Displacement						
70%	-0.02							
Rating Scale Step Measures by Task	Anchored Scale Steps							
	Task	Step	Measure					
	PL 1 Tasks	1	0.56					
		2	-0.56					
	PL 3/PL 5 Tasks	1	-2.65					
		2	-1.80					
		3	1.46					
4		2.98						
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty				
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement		
	14582	-0.26	-0.24	14569	-0.93	0.04		
	14202	0.20	-0.12	14571	-0.58	0.06		
	14570	0.48	-0.03	14582	-0.26	-0.24		
	14569	-0.93	0.04	14202	0.20	-0.12		
	14572	1.07	0.04	14581	0.38	0.12		
	14571	-0.58	0.06	14570	0.48	-0.03		
	14581	0.38	0.12	14572	1.07	0.04		

* No equating was performed for the previous series (S400).

Note that this table includes all tasks across tiers for this cluster, and that Cluster 2 and Cluster 3 share the same form.

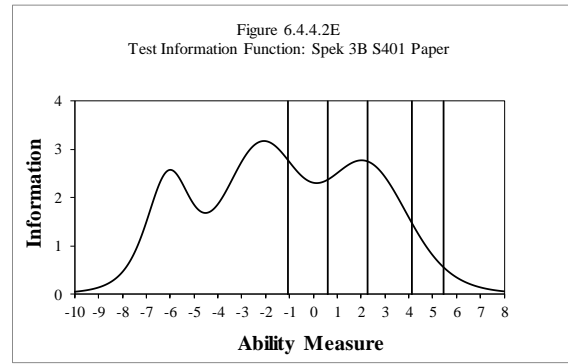
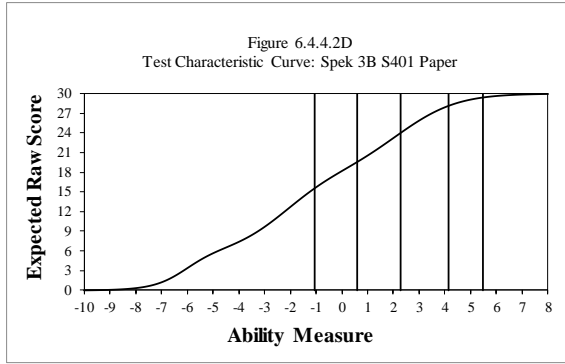


Table 6.4.4.2F

Reliability: Spek 3B S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
117,724	6	0.912	1.315

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.4.4.2G

Complete Task Analysis and Summary: Spek 3B S401 Paper

Task Type	Average Task Difficulty (in logits)		No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square	
Constructed Response	-1.78		12	0.58	0.50	
Name	Tier	Task Difficulty (in logits)	Anchored?	Fit Statistics		
				Infit Mnsq	Outfit Mnsq	
1.S23A_SI_Playground_401_14579_P1	A	-6.11		0.61	0.22	
2.S23A_SI_Playground_401_14580_P3	A*	-0.93	Yes	0.66	0.70	
3.S23C_SI_Playground_401_14569_P3	B/C*	-0.93	Yes	0.66	0.70	
4.S23C_SI_Playground_401_V2_14570_P5	B/C	0.48	Yes	0.59	0.62	
5.S23A_LA_ClassGarden_P100_New_ALT_14201_P1_401	A	-5.98		0.50	0.23	
6.S23A_LA_ClassGarden_P100_New_ALT_14202_P3_401	A	0.20	Yes	0.50	0.51	
7.S23C_LS_ClassGarden_401_14581_P3	B/C	0.38	Yes	0.54	0.56	
8.S23C_LS_ClassGarden_401_14582_P5	B/C	-0.26	Yes	0.59	0.61	
9.S23A_MS_WaterCycle_401_V1_14575_P1	A	-6.10		0.47	0.17	
10.S23A_MS_WaterCycle_401_V1_14576_P3	A*	-0.58	Yes	0.60	0.62	
11.S23C_MS_WaterCycle_401_V1_14571_P3	B/C*	-0.58	Yes	0.60	0.62	
12.S23C_MS_WaterCycle_401_V1_14572_P5	B/C	1.07	Yes	0.74	0.76	
Raw Score Distribution by Task	Raw Score					
	Task	0	1	2	3	4
	Task 1	11.17%	14.88%	73.95%	N/A	N/A
	Task 2	2.21%	5.21%	28.09%	39.77%	24.71%
	Task 3	2.21%	5.21%	28.09%	39.77%	24.71%
	Task 4	0.68%	7.12%	34.17%	39.29%	18.75%
	Task 5	13.21%	15.31%	71.48%	N/A	N/A
	Task 6	15.88%	26.81%	32.16%	19.04%	6.11%
	Task 7	0.43%	4.33%	30.99%	40.34%	23.91%
	Task 8	0.81%	6.63%	29.56%	39.89%	23.12%
	Task 9	12.82%	15.09%	72.08%	N/A	N/A
	Task 10	2.91%	8.35%	28.04%	37.30%	23.40%
	Task 11	2.91%	8.35%	28.04%	37.30%	23.40%
Task 12	1.53%	14.14%	37.05%	32.11%	15.16%	

* Task is shared between A and B/C.

Note that this table includes all tasks across tiers for this cluster, and that Cluster 2 and Cluster 3 share the same form.

Table 6.4.4.2H

DIF Analysis and Summary: Spek 3B S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
DIF Level	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	2	4	3	3
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.S23C_14569_Slp3_Playground_401_V2_S401_Paper	AA	M	AA	H
2.S23C_14570_Slp5_Playground_401_V2_S401_Paper	AA	F	AA	H
3.S23C_14581_LSp3_ClassGarden_401_S401_Paper	AA	F	AA	O
4.S23C_14582_LSp5_ClassGarden_401_S401_Paper	AA	F	AA	O
5.S23C_14571_MAp3_WaterCycle_401_V1_S401_Paper	AA	F	AA	H
6.S23C_14572_MAp5_WaterCycle_401_V1_S401_Paper	AA	M	AA	O

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.4.4.2I

Raw Score to Scale Score Conversion: Spek 3B S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
6	118 [^]	21.35	102.65	145.35
7	141	22.23	118.77	163.23
8	156	20.18	135.82	176.18
9	169	18.43	150.57	187.43
10	180	17.26	162.74	197.26
11	190	16.67	173.33	206.67
12	199	16.38	182.62	215.38
13	209	16.38	192.62	225.38
14	218	16.67	201.33	234.67
15	228	17.26	210.74	245.26
16	238	17.84	220.16	255.84
17	250	18.72	231.28	268.72
18	262	19.30	242.70	281.30
19	275	19.30	255.70	294.30
20	287	18.72	268.28	305.72
21	299	18.13	280.87	317.13
22	310	17.84	292.16	327.84
23	320	17.55	302.45	337.55
24	331	17.55	313.45	348.55
25	342	18.13	323.87	360.13
26	353	19.01	333.99	372.01
27	367	20.47	346.53	387.47
28	381 [*]	23.11	359.89	406.11
29	395 [*]	26.91	381.09	434.91
30	425 [*]	40.07	405.93	486.07

[^] Truncated^{*} Adjusted for end of scale effect

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.4.4.2J

Raw Score to Proficiency Level Conversion: Spek 3B S401 Paper

Raw Score	Grade 3	
	Proficiency Level Score	% of Students
6	1.0	0.2
7	1.1	0.1
8	1.3	0.2
9	1.4	0.2
10	1.5	0.2
11	1.6	0.3
12	1.6	1.1
13	1.7	1.3
14	1.8	2.1
15	1.9	3.1
16	2.0	3.9
17	2.3	5.5
18	2.5	9.0
19	2.8	7.4
20	3.0	8.3
21	3.3	8.2
22	3.5	8.2
23	3.7	7.7
24	3.9	8.3
25	4.1	5.0
26	4.3	4.7
27	4.6	4.2
28	4.9	4.1
29	5.2	3.1
30	6.0	3.5

Note that the test form is shared between 2B, 2C, 3B, and 3C.

6.4.4.3 Speaking 3C

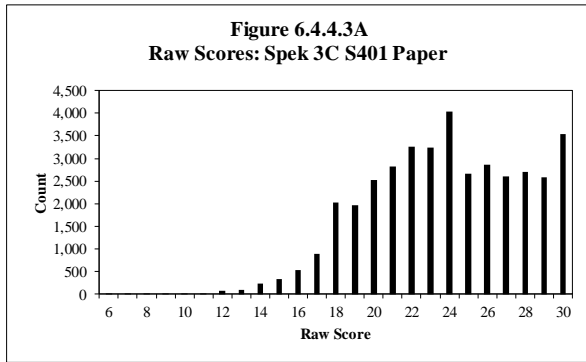


Table 6.4.4.3A

Raw Score Descriptive Statistics: Spek 3C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	39,022	6	30	23.80	4.04

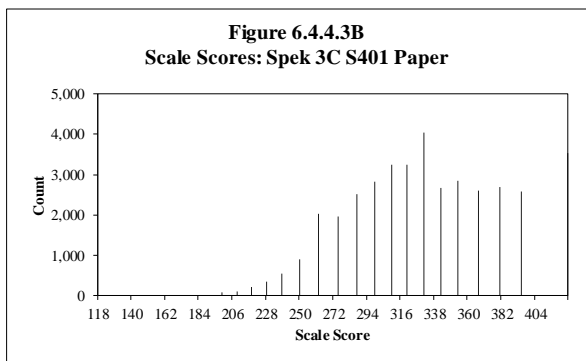


Table 6.4.4.3B

Scale Score Descriptive Statistics: Spek 3C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
3	39,022	118	425	332.28	50.70

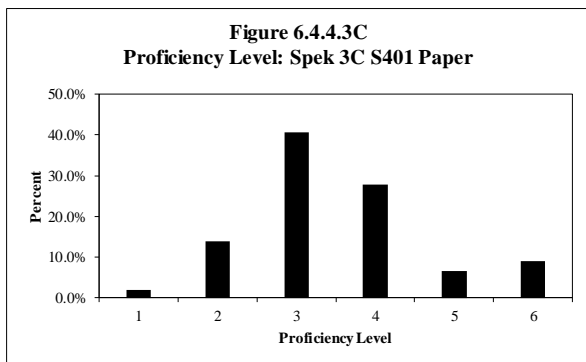


Table 6.4.4.3C

Proficiency Level Distribution: Spek 3C S401 Paper

Level	Count	Percent
1	782	2.0%
2	5,422	13.9%
3	15,879	40.7%
4	10,826	27.7%
5	2,574	6.6%
6	3,539	9.1%
Total	39,022	100.0%

Table 6.4.4.3D

Scaling Equation for Speaking

Speaking Scale Score = (Ability Measure in Logits*29.248) + 265.076
--

Table 6.4.4.3E

Equating Summary: Spek 3C S401 Paper

Comparison of Forms*	Form 401			Form 400				
	No. of Tasks	Average Difficulty (Std. Dev.)		No. of Tasks	Average Difficulty (Std. Dev.)			
	10	-1.78 (3.01)		10	0.00 (2.84)			
	Easiest	Hardest		Easiest	Hardest			
-6.11	1.07		-4.30	2.59				
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)						
	10	-1.78 (3.01)						
	No. of Anchors Used	Average Difficulty (Std. Dev.)						
	7	0.05 (0.68)						
	Percentage Anchors	Average Displacement						
70%	-0.02							
Rating Scale Step Measures by Task	Anchored Scale Steps							
	Task	Step	Measure					
	PL 1 Tasks	1	0.56					
		2	-0.56					
	PL 3/PL 5 Tasks	1	-2.65					
		2	-1.80					
		3	1.46					
		4	2.98					
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty				
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement		
	14582	-0.26	-0.24	14569	-0.93	0.04		
	14202	0.20	-0.12	14571	-0.58	0.06		
	14570	0.48	-0.03	14582	-0.26	-0.24		
	14569	-0.93	0.04	14202	0.20	-0.12		
	14572	1.07	0.04	14581	0.38	0.12		
	14571	-0.58	0.06	14570	0.48	-0.03		
	14581	0.38	0.12	14572	1.07	0.04		

* No equating was performed for the previous series (S400).

Note that this table includes all tasks across tiers for this cluster, and that Cluster 2 and Cluster 3 share the same form.

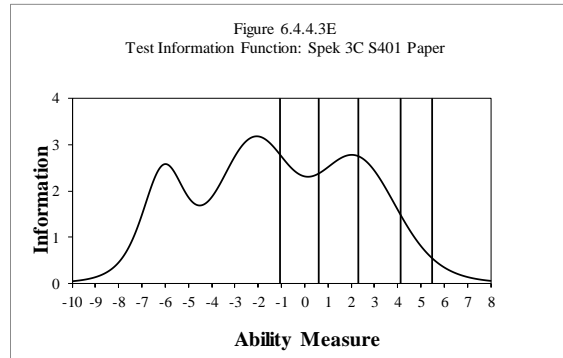
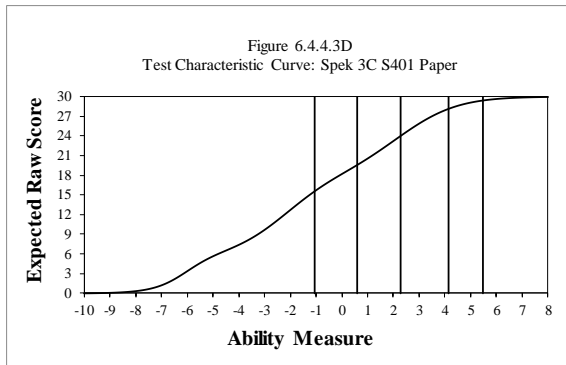


Table 6.4.4.3F

Reliability: Spek 3C S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
117,724	6	0.912	1.315

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.4.4.3G

Complete Task Analysis and Summary: Spek 3C S401 Paper

Task Type	Average Task Difficulty (in logits)		No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square	
Constructed Response	-1.78		12	0.58	0.50	
Name	Tier	Task Difficulty (in logits)	Anchored?	Fit Statistics		
				Infit Mnsq	Outfit Mnsq	
1.S23A_SL_Playground_401_14579_P1	A	-6.11		0.61	0.22	
2.S23A_SL_Playground_401_14580_P3	A*	-0.93	Yes	0.66	0.70	
3.S23C_SL_Playground_401_14569_P3	B/C*	-0.93	Yes	0.66	0.70	
4.S23C_SL_Playground_401_V2_14570_P5	B/C	0.48	Yes	0.59	0.62	
5.S23A_LA_ClassGarden_P100_New_ALT_14201_P1_401	A	-5.98		0.50	0.23	
6.S23A_LA_ClassGarden_P100_New_ALT_14202_P3_401	A	0.20	Yes	0.50	0.51	
7.S23C_LS_ClassGarden_401_14581_P3	B/C	0.38	Yes	0.54	0.56	
8.S23C_LS_ClassGarden_401_14582_P5	B/C	-0.26	Yes	0.59	0.61	
9.S23A_MS_WaterCycle_401_V1_14575_P1	A	-6.10		0.47	0.17	
10.S23A_MS_WaterCycle_401_V1_14576_P3	A*	-0.58	Yes	0.60	0.62	
11.S23C_MS_WaterCycle_401_V1_14571_P3	B/C*	-0.58	Yes	0.60	0.62	
12.S23C_MS_WaterCycle_401_V1_14572_P5	B/C	1.07	Yes	0.74	0.76	
Raw Score Distribution by Task	Task	Raw Score				
		0	1	2	3	4
	Task 1	11.17%	14.88%	73.95%	N/A	N/A
	Task 2	2.21%	5.21%	28.09%	39.77%	24.71%
	Task 3	2.21%	5.21%	28.09%	39.77%	24.71%
	Task 4	0.68%	7.12%	34.17%	39.29%	18.75%
	Task 5	13.21%	15.31%	71.48%	N/A	N/A
	Task 6	15.88%	26.81%	32.16%	19.04%	6.11%
	Task 7	0.43%	4.33%	30.99%	40.34%	23.91%
	Task 8	0.81%	6.63%	29.56%	39.89%	23.12%
	Task 9	12.82%	15.09%	72.08%	N/A	N/A
	Task 10	2.91%	8.35%	28.04%	37.30%	23.40%
	Task 11	2.91%	8.35%	28.04%	37.30%	23.40%
Task 12	1.53%	14.14%	37.05%	32.11%	15.16%	

* Task is shared between A and B/C.

Note that this table includes all tasks across tiers for this cluster, and that Cluster 2 and Cluster 3 share the same form.

Table 6.4.4.3H

DIF Analysis and Summary: Spek 3C S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
DIF Level	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	2	4	3	3
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.S23C_14569_Slp3_Playground_401_V2_S401_Paper	AA	M	AA	H
2.S23C_14570_Slp5_Playground_401_V2_S401_Paper	AA	F	AA	H
3.S23C_14581_LSp3_ClassGarden_401_S401_Paper	AA	F	AA	O
4.S23C_14582_LSp5_ClassGarden_401_S401_Paper	AA	F	AA	O
5.S23C_14571_MAp3_WaterCycle_401_V1_S401_Paper	AA	F	AA	H
6.S23C_14572_MAp5_WaterCycle_401_V1_S401_Paper	AA	M	AA	O

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.4.4.3I

Raw Score to Scale Score Conversion: Spek 3C S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
6	118 [^]	21.35	102.65	145.35
7	141	22.23	118.77	163.23
8	156	20.18	135.82	176.18
9	169	18.43	150.57	187.43
10	180	17.26	162.74	197.26
11	190	16.67	173.33	206.67
12	199	16.38	182.62	215.38
13	209	16.38	192.62	225.38
14	218	16.67	201.33	234.67
15	228	17.26	210.74	245.26
16	238	17.84	220.16	255.84
17	250	18.72	231.28	268.72
18	262	19.30	242.70	281.30
19	275	19.30	255.70	294.30
20	287	18.72	268.28	305.72
21	299	18.13	280.87	317.13
22	310	17.84	292.16	327.84
23	320	17.55	302.45	337.55
24	331	17.55	313.45	348.55
25	342	18.13	323.87	360.13
26	353	19.01	333.99	372.01
27	367	20.47	346.53	387.47
28	381 [*]	23.11	359.89	406.11
29	395 [*]	26.91	381.09	434.91
30	425 [*]	40.07	405.93	486.07

[^] Truncated^{*} Adjusted for end of scale effect

Note that the test form is shared between 2B, 2C, 3B, and 3C.

Table 6.4.4.3J

Raw Score to Proficiency Level Conversion: Spek 3C S401 Paper

Raw Score	Grade 3	
	Proficiency Level Score	% of Students
6	1.0	0.0
7	1.1	0.0
8	1.3	0.0
9	1.4	0.0
10	1.5	0.0
11	1.6	0.0
12	1.6	0.2
13	1.7	0.2
14	1.8	0.6
15	1.9	0.9
16	2.0	1.4
17	2.3	2.3
18	2.5	5.2
19	2.8	5.0
20	3.0	6.5
21	3.3	7.2
22	3.5	8.3
23	3.7	8.3
24	3.9	10.4
25	4.1	6.8
26	4.3	7.3
27	4.6	6.7
28	4.9	6.9
29	5.2	6.6
30	6.0	9.1

Note that the test form is shared between 2B, 2C, 3B, and 3C.

6.5 Grades: 4–5

6.5.1 Listening 4–5

6.5.1.1 Listening 4–5A

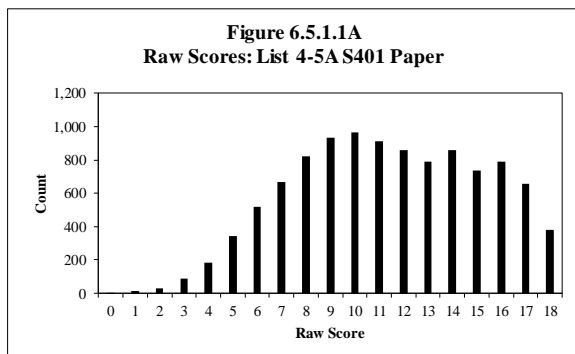


Table 6.5.1.1A
Raw Score Descriptive Statistics: List 4-5A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	5,668	0	18	11.14	3.80
5	4,873	0	18	11.55	3.76
Total	10,541	0	18	11.33	3.79

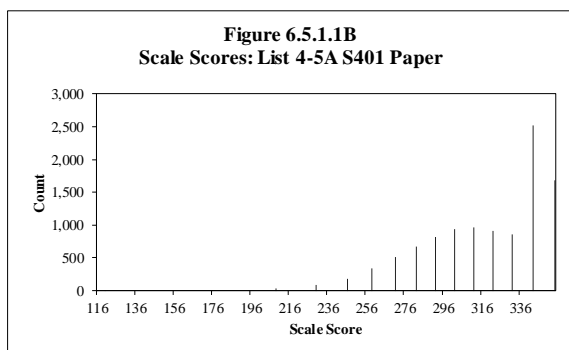


Table 6.5.1.1B
Scale Score Descriptive Statistics: List 4-5A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	5,668	116	343	315.13	30.23
5	4,873	120	354	321.79	32.12
Total	10,541	116	354	318.21	31.29

Note: Scale scores capped at proficiency level 4.0

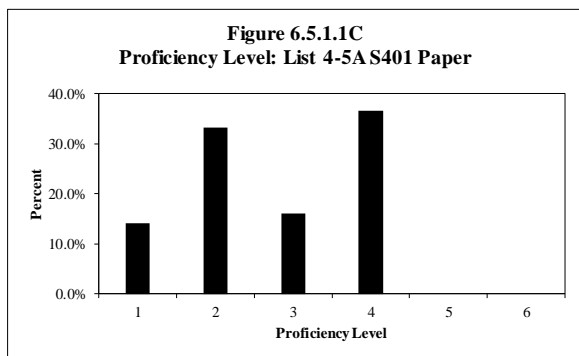


Table 6.5.1.1C

Proficiency Level Distribution: List 4-5A S401 Paper

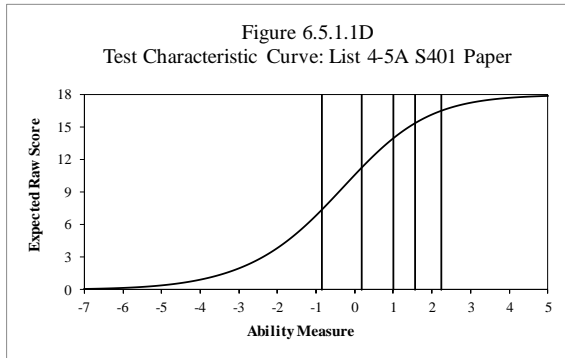
Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	711	12.5%	774	15.9%	1,485	14.1%
2	1,831	32.3%	1,674	34.4%	3,505	33.3%
3	957	16.9%	741	15.2%	1,698	16.1%
4	2,169	38.3%	1,684	34.6%	3,853	36.6%
5	n/a	n/a	n/a	n/a	n/a	n/a
6	n/a	n/a	n/a	n/a	n/a	n/a
Total	5,668	100.0%	4,873	100.0%	10,541	100.0%

Note: Scale scores capped at proficiency level 4.0

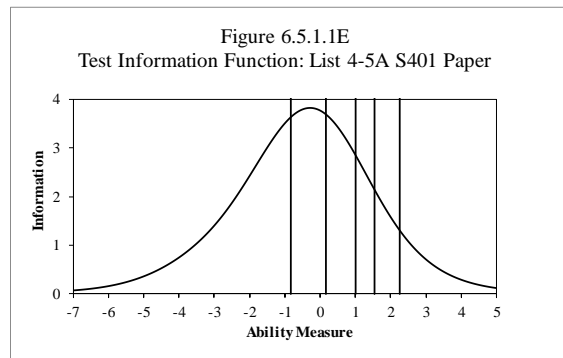
Table 6.5.1.1D
Scaling Equation for Listening

$$\text{Listening Scale Score} = (\text{Ability Measure in Logits} * 37.571) + 316.637$$

Table 6.5.1.1E
Equating Summary: List 4-5A S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 4.0



Note: Scale scores capped at proficiency level 4.0

Table 6.5.1.1F
Reliability: List 4-5A S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
17,373	18	0.766	1.840

Note that the test form is shared between 3A and 4-5A.

Table 6.5.1.1G

Complete Item Analysis and Summary: List 4-5A S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	-0.44	1.00	0.98
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.L35A_9697_SIp1_GymClass_302_S401_Paper	-3.51	0.89	0.52
2.L35A_9698_SIp2_GymClass_302_S401_Paper	-0.76	0.90	0.88
3.L35A_9699_SIp3_GymClass_302_S401_Paper	-0.02	1.03	1.07
4.L35A_10677_LAp2_CardStory_302_S401_Paper	-1.97	0.94	0.85
5.L35A_10679_LAp3_CardStory_302_S401_Paper	0.08	1.10	1.21
6.L35A_10682_LAp4_CardStory_302_S401_Paper	0.47	1.13	1.19
7.L35A_6742_MAp1_PetChart_203_S401_Paper	-1.50	0.86	0.77
8.L35A_6743_MAp2_PetChart_203_S401_Paper	0.47	1.12	1.28
9.L35A_6744_MAp3_PetChart_203_S401_Paper	0.12	1.02	1.07
10.L35A_6812_SCP1_Lava_203_S401_Paper	0.43	1.00	1.01
11.L35A_6813_SCP2_Lava_203_S401_Paper	-0.71	0.99	0.97
12.L35A_6814_SCP3_Lava_203_S401_Paper	0.49	1.10	1.13
13.L35A_10668_SSp2_Mayans_302_S401_Paper	-0.25	0.99	0.99
14.L35A_10674_SSp3_Mayans_302_S401_Paper	0.08	1.00	0.99
15.L35A_10675_SSp4_Mayans_302_S401_Paper	0.62	0.96	0.94
16.L35A_9807_SIp2_Weekend_302_S401_Paper	-0.92	1.09	1.14
17.L35A_9808_SIp3_Weekend_302_S401_Paper	-1.12	0.92	0.86
18.L35A_9809_SIp4_Weekend_302_S401_Paper	0.08	0.91	0.87

* No equating was performed for S303 and S401. Information on anchored items and their P-values can be found in S302 Annual Technical Report, Table H.

Note that the test form is shared between 3A and 4-5A.

Table 6.5.1.1H

DIF Analysis and Summary: List 4-5A S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	9	9	7	10
B	0	0	0	1
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.L35A_9697_SIp1_GymClass_302_S401_Paper	A	M	A	H
2.L35A_9698_SIp2_GymClass_302_S401_Paper	A	F	A	O
3.L35A_9699_SIp3_GymClass_302_S401_Paper	A	M	A	H
4.L35A_10677_LAp2_CardStory_302_S401_Paper	A	M	A	O
5.L35A_10679_LAp3_CardStory_302_S401_Paper	A	F	A	O
6.L35A_10682_LAp4_CardStory_302_S401_Paper	A	F	A	H
7.L35A_6742_MAp1_PetChart_203_S401_Paper	A	F	B	O
8.L35A_6743_MAp2_PetChart_203_S401_Paper	A	M	A	O
9.L35A_6744_MAp3_PetChart_203_S401_Paper	A	F	A	O
10.L35A_6812_SCp1_Lava_203_S401_Paper	A	M	A	H
11.L35A_6813_SCp2_Lava_203_S401_Paper	A	M	A	H
12.L35A_6814_SCp3_Lava_203_S401_Paper	A	M	A	O
13.L35A_10668_SSp2_Mayans_302_S401_Paper	A	M	A	O
14.L35A_10674_SSp3_Mayans_302_S401_Paper	A	F	A	O
15.L35A_10675_SSp4_Mayans_302_S401_Paper	A	F	A	H
16.L35A_9807_SIp2_Weekend_302_S401_Paper	A	F	A	O
17.L35A_9808_SIp3_Weekend_302_S401_Paper	A	F	A	H
18.L35A_9809_SIp4_Weekend_302_S401_Paper	A	M	A	O

Note that the test form is shared between 3A and 4-5A.

Table 6.5.1.11

Raw Score to Scale Score Conversion: List 4-5A S401 Paper

Raw Score	Scale Score		CSEM	Low Bound	High Bound
	Grade 4	Grade 5			
0	116 [^]	120 [^]	75.52	100.00 [^]	201.52
1	176	176	41.02	134.98	217.02
2	209	209	30.63	178.37	239.63
3	230	230	26.03	203.97	256.03
4	246	246	23.38	222.62	269.38
5	259	259	21.68	237.32	280.68
6	271	271	20.56	250.44	291.56
7	282	282	19.81	262.19	301.81
8	292	292	19.36	272.64	311.36
9	302	302	19.13	282.87	321.13
10	312	312	19.13	292.87	331.13
11	322	322	19.37	302.63	341.37
12	332	332	19.88	312.12	351.88
13	343	343	20.75	322.25	363.75
14	343*	354**	22.16***	332.83***	377.16***
15					
16					
17					
18					

[^] Truncated

* Applies to all capped grade 4 scores

** Applies to all capped grade 5 scores

*** Applies to all capped grade 4 and 5 scores

Note that the test form is shared between 3A and 4-5A.

Table 6.5.1.1J

Raw Score to Proficiency Level Conversion: List 4-5A S401 Paper

Raw Score	Grade 4		Grade 5	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	0.0	1.0	0.0
1	1.3	0.1	1.3	0.1
2	1.5	0.4	1.5	0.2
3	1.7	1.0	1.6	0.6
4	1.8	2.0	1.7	1.5
5	1.8	3.6	1.8	2.8
6	1.9	5.4	1.9	4.3
7	2.1	6.3	1.9	6.3
8	2.4	8.2	2.1	7.3
9	2.7	8.6	2.4	9.2
10	2.9	9.2	2.7	9.1
11	3.3	8.5	2.9	8.8
12	3.6	8.3	3.2	7.9
13	4.0	7.6	3.6	7.3
14	4.0*	8.0	4.0*	8.4
15	4.0*	6.5	4.0*	7.5
16	4.0*	7.4	4.0*	7.6
17	4.0*	5.8	4.0*	6.8
18	4.0*	3.0	4.0*	4.3

* Capped

Note that the test form is shared between 3A and 4-5A.

6.5.1.2 Listening 4–5B

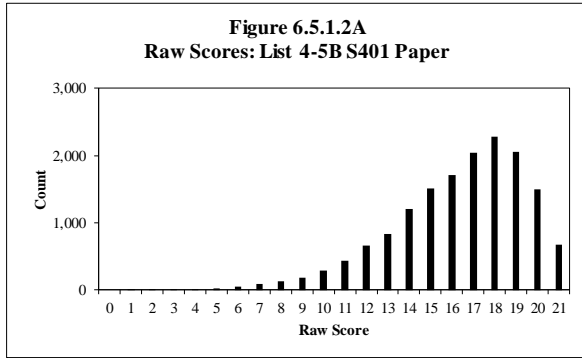


Table 6.5.1.2A
Raw Score Descriptive Statistics: List 4-5B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	8,658	3	21	16.05	3.08
5	6,995	1	21	16.67	3.05
Total	15,653	1	21	16.33	3.08

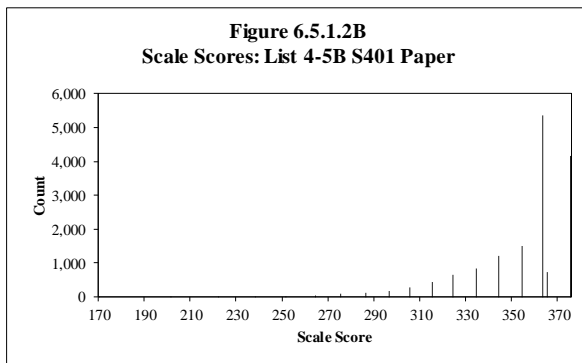


Table 6.5.1.2B
Scale Score Descriptive Statistics: List 4-5B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	8,658	222	363	351.47	19.88
5	6,995	170	375	361.35	22.56
Total	15,653	170	375	355.88	21.68

Note: Scale scores capped at proficiency level 5.0

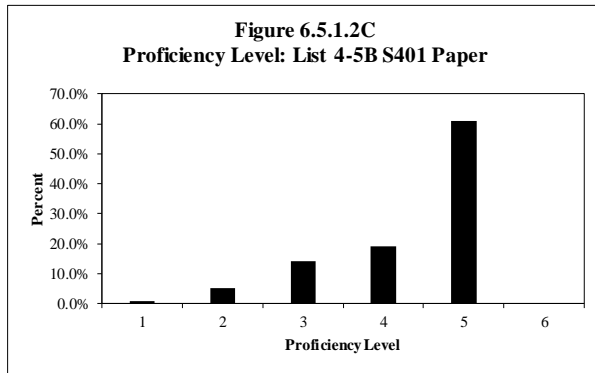


Table 6.5.1.2C

Proficiency Level Distribution: List 4-5B S401 Paper

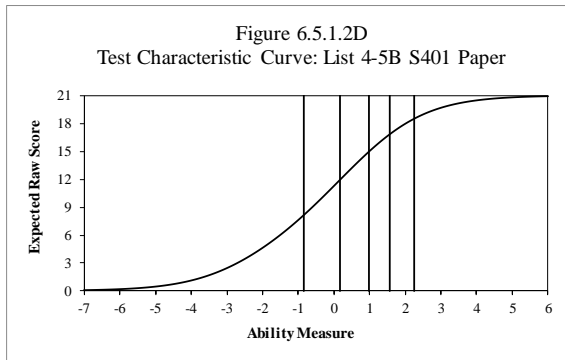
Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	50	0.6%	69	1.0%	119	0.8%
2	417	4.8%	391	5.6%	808	5.2%
3	1,199	13.8%	1,022	14.6%	2,221	14.2%
4	1,634	18.9%	1,348	19.3%	2,982	19.1%
5	5,358	61.9%	4,165	59.5%	9,523	60.8%
6	n/a	n/a	n/a	n/a	n/a	n/a
Total	8,658	100.0%	6,995	100.0%	15,653	100.0%

Note: Scale scores capped at proficiency level 5.0

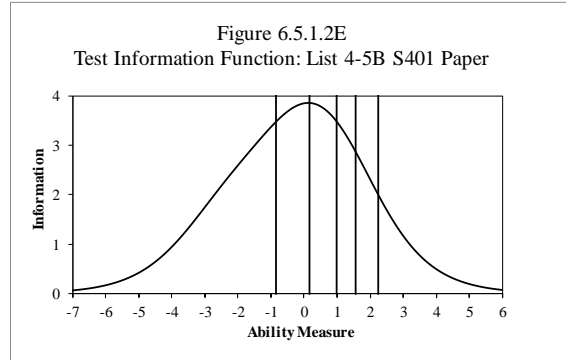
Table 6.5.1.2D
Scaling Equation for Listening

$$\text{Listening Scale Score} = (\text{Ability Measure in Logits} * 37.571) + 316.637$$

Table 6.5.1.2E
Equating Summary: List 4-5B S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 5.0



Note: Scale scores capped at proficiency level 5.0

Table 6.5.1.2F
Reliability: List 4-5B S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
31,141	21	0.686	1.781

Note that the test form is shared between 3B and 4-5B.

Table 6.5.1.2G

Complete Item Analysis and Summary: List 4-5B S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	-0.29	0.99	0.95
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.L35B_9876_SIp2_LibraryBooks_302_S401_Paper	-1.71	0.99	1.06
2.L35B_9877_SIp3_LibraryBooks_302_S401_Paper	-0.13	0.99	0.97
3.L35B_9878_SIp4_LibraryBooks_302_S401_Paper	-2.34	0.92	0.66
4.L35B_10677_LAp2_CardStory_302_S401_Paper	-1.97	0.93	0.76
5.L35B_10679_LAp3_CardStory_302_S401_Paper	0.71	1.15	1.22
6.L35B_10682_LAp4_CardStory_302_S401_Paper	0.47	0.99	0.98
7.L35B_6883_MAp2_Height_203_S401_Paper	-3.14	0.96	0.81
8.L35B_6884_MAp3_Height_203_S401_Paper	0.12	0.98	0.94
9.L35B_6885_MAp4_Height_203_S401_Paper	1.25	1.04	1.06
10.L35B_6915_SCP2_NaturalResources_203_S401_Paper	-2.42	0.95	0.63
11.L35B_6917_SCP3_NaturalResources_203_S401_Paper	0.85	0.99	0.99
12.L35B_6918_SCP4_NaturalResources_203_S401_Paper	-0.80	0.95	0.89
13.L35B_10668_SSp2_Mayans_302_S401_Paper	-0.71	1.01	1.01
14.L35B_10674_SSp3_Mayans_302_S401_Paper	0.08	0.94	0.87
15.L35B_10675_SSp4_Mayans_302_S401_Paper	0.12	0.89	0.81
16.L35B_10701_LAp3_SoupStory_302_S401_Paper	1.44	1.14	1.21
17.L35B_10703_LAp4_SoupStory_302_S401_Paper	-0.98	0.97	0.95
18.L35B_10708_LAp5_SoupStory_302_S401_Paper	1.04	0.98	0.98
19.L35B_7185_MAp3_FarmFractions_203_S401_Paper	-0.04	0.98	0.96
20.L35B_7186_MAp4_FarmFractions_203_S401_Paper	0.80	0.99	0.98
21.L35B_7187_MAp5_FarmFractions_203_S401_Paper	1.21	1.14	1.20

* No equating was performed for S303 and S401. Information on anchored items and their P-values can be found in S302 Annual Technical Report, Table H.

Note that the test form is shared between 3B and 4-5B.

Table 6.5.1.2H

DIF Analysis and Summary: List 4-5B S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	9	12	10	11
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.L35B_9876_SIp2_LibraryBooks_302_S401_Paper	A	F	A	H
2.L35B_9877_SIp3_LibraryBooks_302_S401_Paper	A	M	A	H
3.L35B_9878_SIp4_LibraryBooks_302_S401_Paper	A	M	A	O
4.L35B_10677_LAp2_CardStory_302_S401_Paper	A	M	A	H
5.L35B_10679_LAp3_CardStory_302_S401_Paper	A	F	A	H
6.L35B_10682_LAp4_CardStory_302_S401_Paper	A	M	A	H
7.L35B_6883_MAp2_Height_203_S401_Paper	A	M	A	O
8.L35B_6884_MAp3_Height_203_S401_Paper	A	F	A	O
9.L35B_6885_MAp4_Height_203_S401_Paper	A	F	A	O
10.L35B_6915_SCP2_NaturalResources_203_S401_Paper	A	F	A	H
11.L35B_6917_SCP3_NaturalResources_203_S401_Paper	A	M	A	O
12.L35B_6918_SCP4_NaturalResources_203_S401_Paper	A	M	A	O
13.L35B_10668_SSp2_Mayans_302_S401_Paper	A	M	A	O
14.L35B_10674_SSp3_Mayans_302_S401_Paper	A	F	A	O
15.L35B_10675_SSp4_Mayans_302_S401_Paper	A	F	A	O
16.L35B_10701_LAp3_SoupStory_302_S401_Paper	A	F	A	O
17.L35B_10703_LAp4_SoupStory_302_S401_Paper	A	F	A	H
18.L35B_10708_LAp5_SoupStory_302_S401_Paper	A	M	A	H
19.L35B_7185_MAp3_FarmFractions_203_S401_Paper	A	F	A	H
20.L35B_7186_MAp4_FarmFractions_203_S401_Paper	A	F	A	H
21.L35B_7187_MAp5_FarmFractions_203_S401_Paper	A	F	A	O

Note that the test form is shared between 3B and 4-5B.

Table 6.5.1.2I

Raw Score to Scale Score Conversion: List 4-5B S401 Paper

Raw Score	Scale Score		CSEM	Low Bound	High Bound
	Grade 4	Grade 5			
0	116 [^]	120 [^]	71.38	100.00 [^]	192.38
1	170	170	39.97	130.03	209.97
2	201	201	29.96	171.04	230.96
3	222	222	25.83	196.17	247.83
4	238	238	23.52	214.48	261.52
5	251	251	22.03	228.97	273.03
6	264	264	20.99	243.01	284.99
7	275	275	20.22	254.78	295.22
8	286	286	19.66	266.34	305.66
9	296	296	19.26	276.74	315.26
10	305	305	18.99	286.01	323.99
11	315	315	18.86	296.14	333.86
12	324	324	18.86	305.14	342.86
13	334	334	19.03	314.97	353.03
14	344	344	19.38	324.62	363.38
15	354	354	19.97	334.03	373.97
16	363 [*]	365	20.89 [*]	344.10 [*]	385.89 [*]
17		375 ^{**}	22.16 ^{**}	354.83 ^{**}	399.16 ^{**}
18					
19					
20					
21					

^ Truncated

* Applies to all capped grade 4 scores

** Applies to all capped grade 5 scores

*** Applies to all capped grade 4 and grade 5 scores

Note that the test form is shared between 3B and 4-5B.

Table 6.5.1.2J

Raw Score to Proficiency Level Conversion: List 4-5B S401 Paper

Raw Score	Grade 4		Grade 5	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	0.0	1.0	0.0
1	1.3	0.0	1.3	0.0
2	1.5	0.0	1.4	0.0
3	1.6	0.1	1.6	0.0
4	1.7	0.0	1.7	0.1
5	1.8	0.1	1.7	0.2
6	1.9	0.4	1.8	0.2
7	2.0	0.6	1.9	0.4
8	2.2	0.9	2.0	0.7
9	2.5	1.2	2.2	1.1
10	2.7	2.1	2.5	1.4
11	3.0	3.2	2.7	2.3
12	3.3	4.8	3.0	3.4
13	3.7	5.8	3.3	4.7
14	4.0	8.6	3.6	6.5
15	4.5	10.3	4.0	8.9
16	5.0*	11.3	4.5	10.3
17	5.0*	13.4	5.0*	12.6
18	5.0*	14.0	5.0*	15.2
19	5.0*	11.8	5.0*	14.8
20	5.0*	8.1	5.0*	11.4
21	5.0*	3.2	5.0*	5.6

* Capped

Note that the test form is shared between 3B and 4-5B.

6.5.1.3 Listening 4–5C

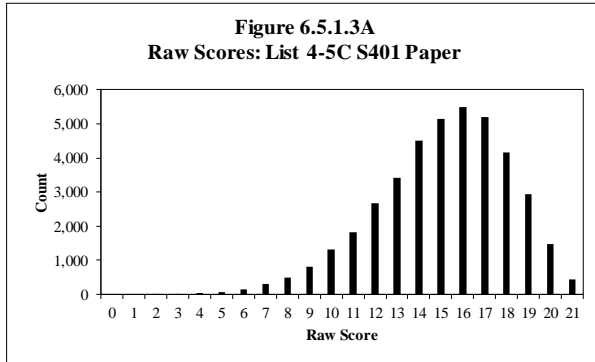


Table 6.5.1.3A

Raw Score Descriptive Statistics: List 4-5C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	19,997	2	21	14.63	3.02
5	20,473	2	21	15.54	2.92
Total	40,470	2	21	15.09	3.01

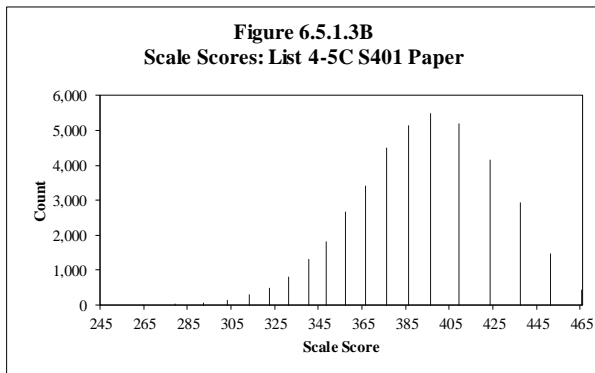


Table 6.5.1.3B

Scale Score Descriptive Statistics: List 4-5C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	19,997	245	465	385.05	31.98
5	20,473	245	465	395.05	32.28
Total	40,470	245	465	390.11	32.52

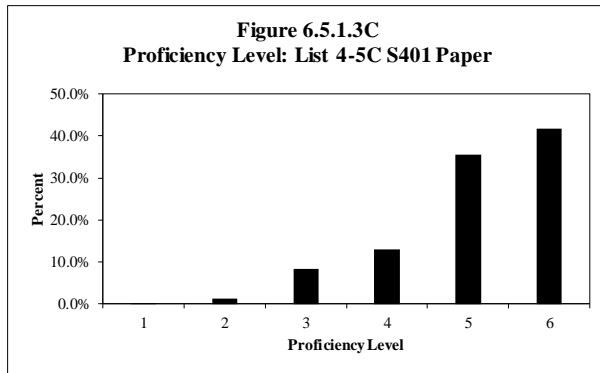


Table 6.5.1.3C

Proficiency Level Distribution: List 4-5C S401 Paper

Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	9	0.0%	22	0.1%	31	0.1%
2	156	0.8%	379	1.9%	535	1.3%
3	1,819	9.1%	1,553	7.6%	3,372	8.3%
4	2,634	13.2%	2,631	12.9%	5,265	13.0%
5	6,959	34.8%	7,420	36.2%	14,379	35.5%
6	8,420	42.1%	8,468	41.4%	16,888	41.7%
Total	19,997	100.0%	20,473	100.0%	40,470	100.0%

Table 6.5.1.3D
Scaling Equation for Listening

$$\text{Listening Scale Score} = (\text{Ability Measure in Logits} * 37.571) + 316.637$$

Table 6.5.1.3E
Equating Summary: List 4-5C S401 Paper
Note: No equating was performed for S401.

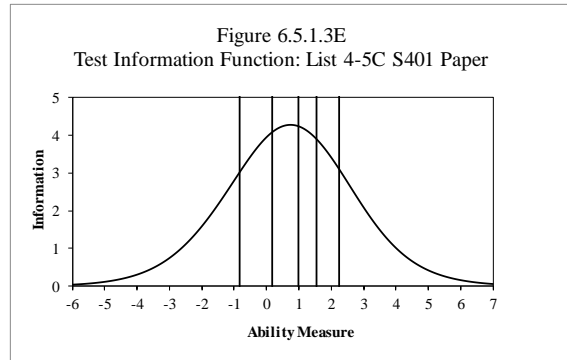
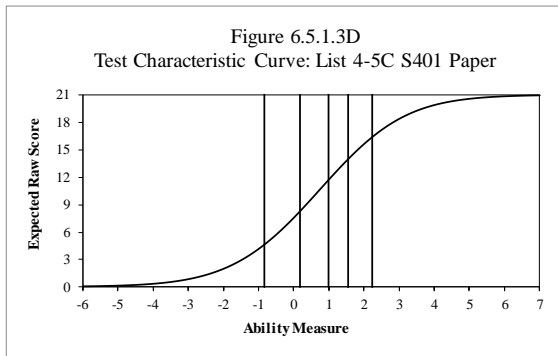


Table 6.5.1.3F
Reliability: List 4-5C S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
79,510	21	0.646	1.890

Note that the test form is shared between 3C and 4-5C.

Table 6.5.1.3G

Complete Item Analysis and Summary: List 4-5C S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	0.72	1.00	0.97
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.L35C_10185_SIp3_AfterSchool_302_S401_Paper	1.10	1.08	1.12
2.L35C_10187_SIp4_AfterSchool_302_S401_Paper	-1.43	0.97	0.86
3.L35C_10188_SIp5_AfterSchool_302_S401_Paper	0.05	0.94	0.83
4.L35C_10734_LAp3_FarmStory_302_S401_Paper	0.21	1.02	1.06
5.L35C_10737_LAp4_FarmStory_302_S401_Paper	-1.38	0.93	0.72
6.L35C_10743_LAp5_FarmStory_302_S401_Paper	0.52	0.93	0.86
7.L35C_7119_MAp3_PlaygroundFractions_203_S401_Paper	1.71	1.03	1.05
8.L35C_7120_MAp4_PlaygroundFractions_203_S401_Paper	2.27	1.03	1.06
9.L35C_7121_MAp5_PlaygroundFractions_203_S401_Paper	1.66	1.01	1.01
10.L35C_7252_SCP3_Penguins_203_S401_Paper	0.34	1.01	1.01
11.L35C_7253_SCP4_Penguins_203_S401_Paper	0.19	0.98	0.92
12.L35C_7254_SCP5_Penguins_203_S401_Paper	1.45	1.07	1.10
13.L35C_10796_SSp3_ColonialTrade_302_S401_Paper	-0.14	0.96	0.85
14.L35C_10797_SSp4_ColonialTrade_302_S401_Paper	2.19	1.03	1.06
15.L35C_10798_SSp5_ColonialTrade_302_S401_Paper	0.96	0.95	0.91
16.L35C_10698_LAp3_TreeStory_302_S401_Paper	0.43	0.97	0.95
17.L35C_10705_LAp4_TreeStory_302_S401_Paper	0.16	0.95	0.89
18.L35C_10707_LAp5_TreeStory_302_S401_Paper	0.02	0.88	0.73
19.L35C_10085_MAp3_Recipe_302_S401_Paper	1.44	1.04	1.06
20.L35C_10086_MAp4_Recipe_302_S401_Paper	1.11	1.01	0.99
21.L35C_10087_MAp5_Recipe_302_S401_Paper	2.32	1.13	1.24

* No equating was performed for S303 and S401. Information on anchored items and their P-values can be found in S302 Annual Technical Report, Table H.

Note that the test form is shared between 3C and 4-5C.

Table 6.5.1.3H

DIF Analysis and Summary: List 4-5C S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	9	11	12	9
B	1	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.L35C_10185_SIp3_AfterSchool_302_S401_Paper	A	M	A	O
2.L35C_10187_SIp4_AfterSchool_302_S401_Paper	A	F	A	H
3.L35C_10188_SIp5_AfterSchool_302_S401_Paper	A	M	A	O
4.L35C_10734_LAp3_FarmStory_302_S401_Paper	A	F	A	H
5.L35C_10737_LAp4_FarmStory_302_S401_Paper	A	F	A	H
6.L35C_10743_LAp5_FarmStory_302_S401_Paper	A	F	A	O
7.L35C_7119_MAp3_PlaygroundFractions_203_S401_Paper	A	M	A	H
8.L35C_7120_MAp4_PlaygroundFractions_203_S401_Paper	A	F	A	H
9.L35C_7121_MAp5_PlaygroundFractions_203_S401_Paper	A	F	A	H
10.L35C_7252_SCP3_Penguins_203_S401_Paper	A	M	A	O
11.L35C_7253_SCP4_Penguins_203_S401_Paper	A	M	A	O
12.L35C_7254_SCP5_Penguins_203_S401_Paper	A	M	A	O
13.L35C_10796_SSp3_ColonialTrade_302_S401_Paper	B	M	A	H
14.L35C_10797_SSp4_ColonialTrade_302_S401_Paper	A	M	A	O
15.L35C_10798_SSp5_ColonialTrade_302_S401_Paper	A	M	A	O
16.L35C_10698_LAp3_TreeStory_302_S401_Paper	A	F	A	H
17.L35C_10705_LAp4_TreeStory_302_S401_Paper	A	F	A	H
18.L35C_10707_LAp5_TreeStory_302_S401_Paper	A	F	A	H
19.L35C_10085_MAp3_Recipe_302_S401_Paper	A	M	A	H
20.L35C_10086_MAp4_Recipe_302_S401_Paper	A	F	A	H
21.L35C_10087_MAp5_Recipe_302_S401_Paper	A	F	A	O

Note that the test form is shared between 3C and 4-5C.

Table 6.5.1.3I

Raw Score to Scale Score Conversion: List 4-5C S401 Paper

Raw Score	Scale Score		CSEM	Low Bound	High Bound
	Grade 4	Grade 5			
0	116^	120^	126.99	100.00^	293.99
1	215	215	39.61	175.39	254.61
2	245	245	29.32	215.68	274.32
3	264	264	24.95	239.05	288.95
4	279	279	22.46	256.54	301.46
5	292	292	20.87	271.13	312.87
6	303	303	19.79	283.21	322.79
7	313	313	19.05	293.95	332.05
8	322	322	18.56	303.44	340.56
9	331	331	18.25	312.75	349.25
10	340	340	18.11	321.89	358.11
11	348	348	18.11	329.89	366.11
12	357	357	18.25	338.75	375.25
13	366	366	18.55	347.45	384.55
14	376	376	19.02	356.98	395.02
15	386	386	19.72	366.28	405.72
16	396	396	20.74	375.26	416.74
17	409	409	22.26	386.74	431.26
18	423	423	24.67	398.33	447.67
19	437*	437*	27.80	414.20	469.80
20	451*	451*	31.56	440.44	503.56
21	465*	465*	36.82	482.18	555.82

^ Truncated

* Adjusted for end of scale effect

Note that the test form is shared between 3C and 4-5C.

Table 6.5.1.3J

Raw Score to Proficiency Level Conversion: List 4-5C S401 Paper

Raw Score	Grade 4		Grade 5	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	0.0	1.0	0.0
1	1.6	0.0	1.5	0.0
2	1.8	0.0	1.7	0.0
3	1.9	0.0	1.8	0.0
4	2.1	0.1	1.9	0.1
5	2.4	0.3	2.1	0.1
6	2.7	0.5	2.4	0.3
7	3.0	0.9	2.7	0.6
8	3.3	1.5	2.9	0.9
9	3.6	2.5	3.2	1.5
10	3.9	4.1	3.5	2.5
11	4.2	5.4	3.8	3.6
12	4.7	7.8	4.1	5.5
13	5.1	9.5	4.5	7.3
14	5.5	12.0	5.0	10.2
15	5.9	13.3	5.4	12.2
16	6.0	13.3	5.8	13.8
17	6.0	11.6	6.0	14.0
18	6.0	8.5	6.0	12.1
19	6.0	5.4	6.0	9.1
20	6.0	2.6	6.0	4.7
21	6.0	0.7	6.0	1.5

Note that the test form is shared between 3C and 4-5C.

6.5.2 Reading 4–5

6.5.2.1 Reading 4–5A

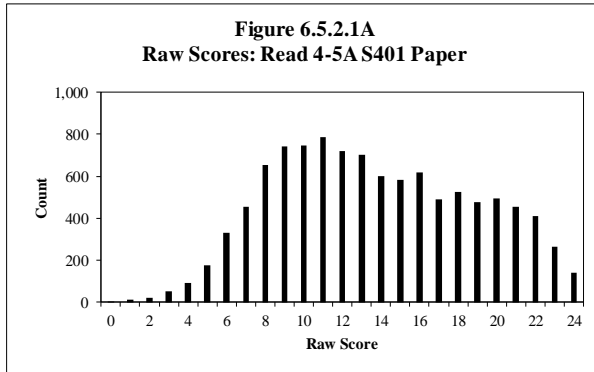


Table 6.5.2.1A

Raw Score Descriptive Statistics: Read 4-5A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	5,669	0	24	13.32	5.02
5	4,871	1	24	14.08	5.10
Total	10,540	0	24	13.67	5.07

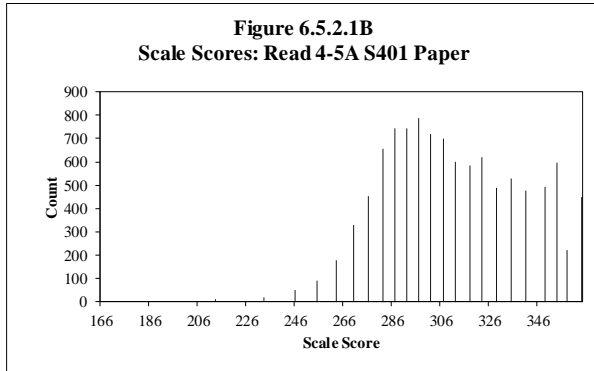


Table 6.5.2.1B

Scale Score Descriptive Statistics: Read 4-5A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	5,669	166	354	309.19	27.21
5	4,871	213	364	314.27	28.99
Total	10,540	166	364	311.54	28.16

Note: Scale scores capped at proficiency level 4.0

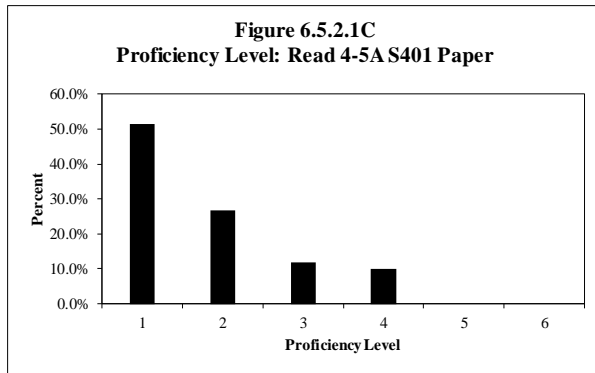


Table 6.5.2.1C

Proficiency Level Distribution: Read 4-5A S401 Paper

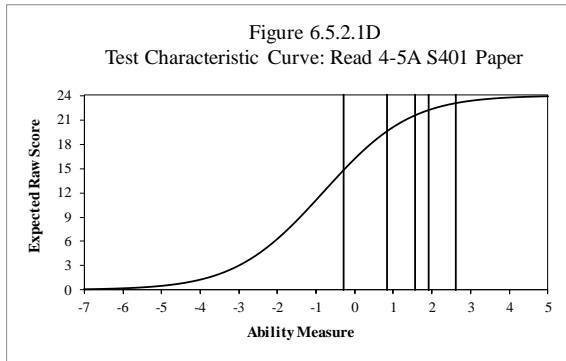
Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	2,764	48.8%	2,656	54.5%	5,420	51.4%
2	1,531	27.0%	1,289	26.5%	2,820	26.8%
3	778	13.7%	479	9.8%	1,257	11.9%
4	596	10.5%	447	9.2%	1,043	9.9%
5	n/a	n/a	n/a	n/a	n/a	n/a
6	n/a	n/a	n/a	n/a	n/a	n/a
Total	5,669	100.0%	4,871	100.0%	10,540	100.0%

Note: Scale scores capped at proficiency level 4.0

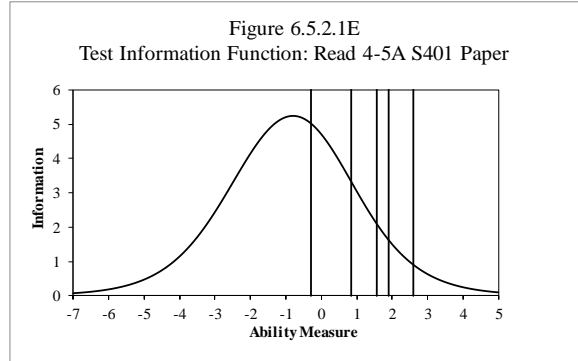
Table 6.5.2.1D
Scaling Equation for Reading

$$\text{Reading Scale Score} = (\text{Ability Measure in Logits} * 26.000) + 323.272$$

Table 6.5.2.1E
Equating Summary: Read 4-5A S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 4.0



Note: Scale scores capped at proficiency level 4.0

Table 6.5.2.1F
Reliability: Read 4-5A S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
17,372	24	0.818	2.154

Note that the test form is shared between 3A and 4-5A.

Table 6.5.2.1G

Complete Item Analysis and Summary: Read 4-5A S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	-0.81	1.00	0.98
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.R35A_8210_SIp1_GameDay_301_S401_Paper	-2.39	0.89	0.69
2.R35A_8211_SIp2_GameDay_301_S401_Paper	-2.21	0.95	0.84
3.R35A_8212_SIp3_GameDay_301_S401_Paper	-0.24	0.98	1.01
4.R35A_12342_LAp1_WilmaRudolph_303_S401_Paper	-1.51	0.88	0.78
5.R35A_12343_LAp2_WilmaRudolph_303_S401_Paper	-0.85	1.06	1.08
6.R35A_12344_LAp3_WilmaRudolph_303_S401_Paper	-0.55	1.05	1.06
7.R35A_8129_MAp1_ButterflyMiles_301_S401_Paper	-1.63	0.95	0.85
8.R35A_8130_MAp2_ButterflyMiles_301_S401_Paper	-0.69	1.28	1.36
9.R35A_8131_MAp3_ButterflyMiles_301_S401_Paper	-0.25	0.97	0.96
10.R35A_11449_SCP2_Organic_303_S401_Paper	-0.35	0.82	0.77
11.R35A_11452_SCP3_Organic_303_S401_Paper	0.27	1.08	1.10
12.R35A_11571_SCP4_Organic_303_S401_Paper	0.42	1.11	1.16
13.R35A_3296_SSp1_InventionsinMusic_jc_S401_Paper	-1.87	0.92	0.82
14.R35A_3297_SSp2_InventionsinMusic_jc_S401_Paper	-1.21	0.85	0.74
15.R35A_3298_SSp3_InventionsinMusic_jc_S401_Paper	0.31	1.08	1.11
16.R35A_8264_SIp2_WellnessWeek_301_S401_Paper	-1.21	0.97	1.02
17.R35A_8265_SIp3_WellnessWeek_301_S401_Paper	-0.35	0.87	0.84
18.R35A_8266_SIp4_WellnessWeek_301_S401_Paper	0.18	1.35	1.48
19.R35A_11107_LAp1_BioRuthWakefield_303_S401_Paper	-1.19	0.87	0.80
20.R35A_11110_LAp2_BioRuthWakefield_303_S401_Paper	-1.42	1.05	1.04
21.R35A_11119_LAp3_BioRuthWakefield_303_S401_Paper	-0.06	1.33	1.41
22.R35A_8132_MAp1_InsectEggs_301_S401_Paper	-1.47	0.91	0.83
23.R35A_8133_MAp2_InsectEggs_301_S401_Paper	-0.76	0.90	0.84
24.R35A_8134_MAp3_InsectEggs_301_S401_Paper	-0.40	0.97	0.96

* No equating was performed for S401. Information on anchored items and their P-values can be found in S303 Annual Technical Report, Table H.

Note that the test form is shared between 3A and 4-5A.

Table 6.5.2.1H

DIF Analysis and Summary: Read 4-5A S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	12	12	10	14
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.R35A_8210_SIp1_GameDay_301_S401_Paper	A	M	A	O
2.R35A_8211_SIp2_GameDay_301_S401_Paper	A	F	A	H
3.R35A_8212_SIp3_GameDay_301_S401_Paper	A	M	A	O
4.R35A_12342_LAp1_WilmaRudolph_303_S401_Paper	A	F	A	O
5.R35A_12343_LAp2_WilmaRudolph_303_S401_Paper	A	M	A	H
6.R35A_12344_LAp3_WilmaRudolph_303_S401_Paper	A	M	A	O
7.R35A_8129_MAp1_ButterflyMiles_301_S401_Paper	A	F	A	H
8.R35A_8130_MAp2_ButterflyMiles_301_S401_Paper	A	F	A	H
9.R35A_8131_MAp3_ButterflyMiles_301_S401_Paper	A	M	A	H
10.R35A_11449_ScP2_Organic_303_S401_Paper	A	M	A	O
11.R35A_11452_ScP3_Organic_303_S401_Paper	A	F	A	H
12.R35A_11571_ScP4_Organic_303_S401_Paper	A	F	A	H
13.R35A_3296_SSp1_InventionsinMusic_jc_S401_Paper	A	F	A	O
14.R35A_3297_SSp2_InventionsinMusic_jc_S401_Paper	A	F	A	H
15.R35A_3298_SSp3_InventionsinMusic_jc_S401_Paper	A	F	A	O
16.R35A_8264_SIp2_WellnessWeek_301_S401_Paper	A	F	A	H
17.R35A_8265_SIp3_WellnessWeek_301_S401_Paper	A	M	A	O
18.R35A_8266_SIp4_WellnessWeek_301_S401_Paper	A	M	A	O
19.R35A_11107_LAp1_BioRuthWakefield_303_S401_Paper	A	F	A	O
20.R35A_11110_LAp2_BioRuthWakefield_303_S401_Paper	A	M	A	O
21.R35A_11119_LAp3_BioRuthWakefield_303_S401_Paper	A	F	A	O
22.R35A_8132_MAp1_InsectEggs_301_S401_Paper	A	M	A	O
23.R35A_8133_MAp2_InsectEggs_301_S401_Paper	A	M	A	H
24.R35A_8134_MAp3_InsectEggs_301_S401_Paper	A	M	A	O

Note that the test form is shared between 3A and 4-5A.

Table 6.5.2.11

Raw Score to Scale Score Conversion: Read 4-5A S401 Paper

Raw Score	Scale Score		CSEM	Low Bound	High Bound
	Grade 4	Grade 5			
0	166^	175^	53.56	127.44	234.56
1	213	213	26.93	186.07	239.93
2	233	233	19.70	213.30	252.70
3	246	246	16.63	229.37	262.63
4	255	255	14.88	240.12	269.88
5	263	263	13.75	249.25	276.75
6	270	270	12.97	257.03	282.97
7	276	276	12.41	263.59	288.41
8	282	282	12.01	269.99	294.01
9	287	287	11.72	275.28	298.72
10	292	292	11.52	280.48	303.52
11	297	297	11.41	285.59	308.41
12	302	302	11.36	290.64	313.36
13	307	307	11.39	295.61	318.39
14	312	312	11.48	300.52	323.48
15	318	318	11.66	306.34	329.66
16	323	323	11.93	311.07	334.93
17	329	329	12.32	316.68	341.32
18	335	335	12.86	322.14	347.86
19	341	341	13.63	327.37	354.63
20	349	349	14.75	334.25	363.75
21	354*	358	16.49*	341.50*	374.49*
22		364**	17.94**	353.06**	388.94**
23					
24					

^ Truncated

* Applies to all capped grade 4 scores

** Applies to all capped grade 5 scores

Note that the test form is shared between 3A and 4-5A.

Table 6.5.2.1J

Raw Score to Proficiency Level Conversion: Read 4-5A S401 Paper

Raw Score	Grade 4		Grade 5	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	0.1	1.0	0.0
1	1.3	0.1	1.2	0.1
2	1.4	0.2	1.4	0.2
3	1.5	0.5	1.5	0.5
4	1.6	1.0	1.5	0.7
5	1.6	1.9	1.6	1.5
6	1.7	3.2	1.6	3.0
7	1.7	4.7	1.7	3.9
8	1.8	6.8	1.7	5.6
9	1.8	8.1	1.7	5.9
10	1.8	7.7	1.8	6.3
11	1.9	7.3	1.8	7.7
12	1.9	7.4	1.9	6.2
13	2.0	6.4	1.9	6.9
14	2.1	5.3	1.9	6.1
15	2.3	5.2	2.0	5.9
16	2.5	5.5	2.2	6.3
17	2.7	4.5	2.4	4.8
18	3.0	5.0	2.6	4.9
19	3.3	4.5	2.8	4.5
20	3.7	4.1	3.2	5.3
21	4.0*	4.1	3.6	4.6
22	4.0*	3.5	4.0*	4.4
23	4.0*	2.0	4.0*	3.1
24	4.0*	1.0	4.0*	1.7

* Capped

Note that the test form is shared between 3A and 4-5A.

6.5.2.2 Reading 4–5B

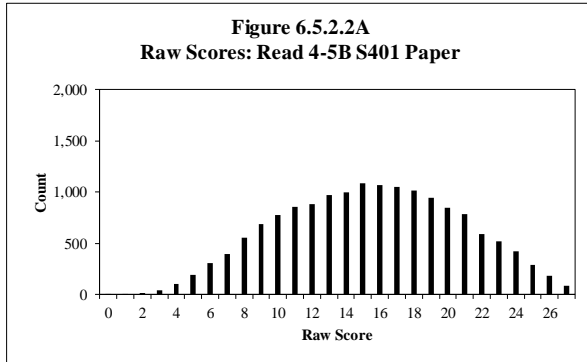


Table 6.5.2.2A

Raw Score Descriptive Statistics: Read 4-5B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	8,646	0	27	14.89	5.12
5	6,992	1	27	16.03	5.22
Total	15,638	0	27	15.40	5.20

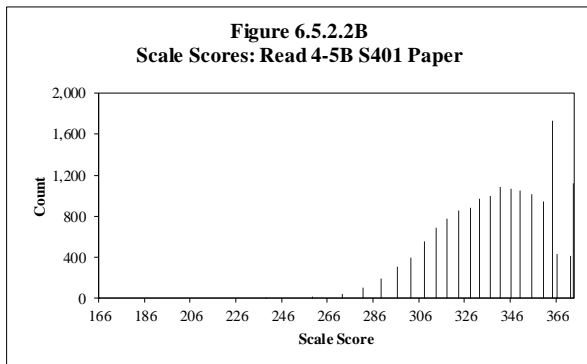


Table 6.5.2.2B

Scale Score Descriptive Statistics: Read 4-5B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	8,646	166	364	338.23	21.60
5	6,992	239	373	344.67	23.10
Total	15,638	166	373	341.11	22.51

Note: Scale scores capped at proficiency level 5.0

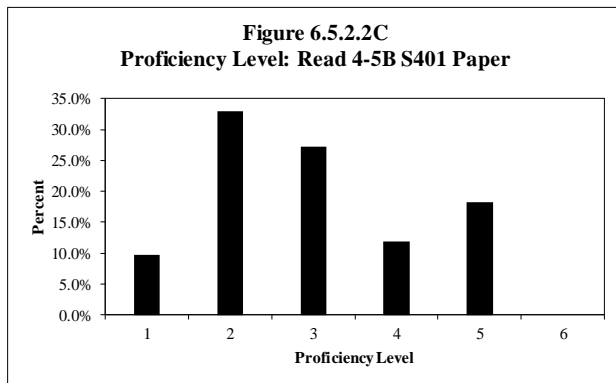


Table 6.5.2.2C

Proficiency Level Distribution: Read 4-5B S401 Paper

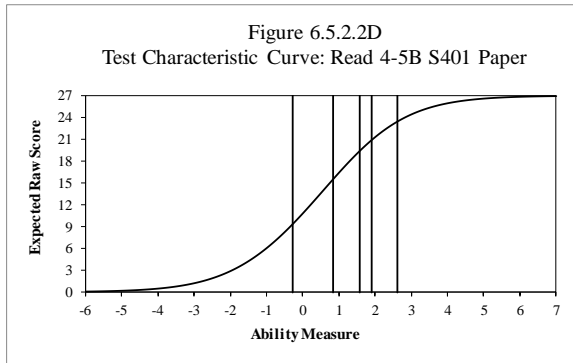
Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	657	7.6%	858	12.3%	1,515	9.7%
2	2,851	33.0%	2,292	32.8%	5,143	32.9%
3	2,376	27.5%	1,878	26.9%	4,254	27.2%
4	1,026	11.9%	840	12.0%	1,866	11.9%
5	1,736	20.1%	1,124	16.1%	2,860	18.3%
6	n/a	n/a	n/a	n/a	n/a	n/a
Total	8,646	100.0%	6,992	100.0%	15,638	100.0%

Note: Scale scores capped at proficiency level 5.0

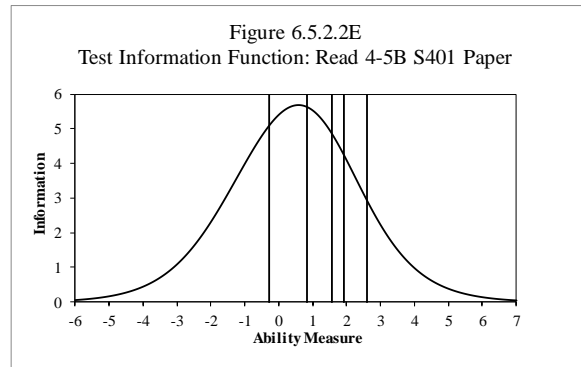
Table 6.5.2.2D
Scaling Equation for Reading

$$\text{Reading Scale Score} = (\text{Ability Measure in Logits} * 26.000) + 323.272$$

Table 6.5.2.2E
Equating Summary: Read 4-5B S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 5.0



Note: Scale scores capped at proficiency level 5.0

Table 6.5.2.2F
Reliability: Read 4-5B S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
31,113	27	0.801	2.287

Note that the test form is shared between 3B and 4-5B.

Table 6.5.2.2G

Complete Item Analysis and Summary: Read 4-5B S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	0.40	1.00	1.00
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.R35B_8355_SIp2_BikeSafety_301_S401_Paper	-0.11	0.87	0.81
2.R35B_8356_SIp3_BikeSafety_301_S401_Paper	-0.92	0.85	0.70
3.R35B_8400_SIp4_BikeSafety_301_S401_Paper	-0.18	1.05	1.05
4.R35B_9938_LAp2_AntsandApples_303_S401_Paper	-1.30	0.86	0.68
5.R35B_9939_LAp3_AntsandApples_303_S401_Paper	0.62	0.94	0.93
6.R35B_9940_LAp4_AntsandApples_303_S401_Paper	0.08	0.89	0.86
7.R35B_8344_MAp2_PlayPerimeter_301_S401_Paper	-1.21	0.89	0.80
8.R35B_8345_MAp3_PlayPerimeter_301_S401_Paper	1.21	1.09	1.15
9.R35B_8346_MAp4_PlayPerimeter_301_S401_Paper	1.06	1.13	1.19
10.R35B_11354_SCP2_Roots_303_S401_Paper	-0.60	1.00	1.03
11.R35B_11418_SCP3_Roots_303_S401_Paper	0.24	0.89	0.86
12.R35B_11411_SCP4_Roots_303_S401_Paper	0.53	1.03	1.03
13.R35B_6907_SSp2_IroquoisandHopi_203_S401_Paper	-0.49	0.85	0.78
14.R35B_6908_SSp3_IroquoisandHopi_203_S401_Paper	0.43	0.92	0.89
15.R35B_6909_SSp4_IroquoisandHopi_203_S401_Paper	0.82	0.99	0.99
16.R35B_11767_LAp3_MaryAndCamille_303_S401_Paper	0.19	0.88	0.85
17.R35B_11773_LAp4_MaryAndCamille_303_S401_Paper	0.90	1.05	1.06
18.R35B_11780_LAp5_MaryAndCamille_303_S401_Paper	1.21	1.12	1.23
19.R35B_9257_MAp3_Angles_301_S401_Paper	0.63	1.07	1.10
20.R35B_9258_MAp4_Angles_301_S401_Paper	1.06	1.11	1.16
21.R35B_9259_MAp5_Angles_301_S401_Paper	1.94	1.22	1.51
22.R35B_11634_SCP3_Weathering_303_S401_Paper	1.54	0.97	0.97
23.R35B_11635_SCP4_Weathering_303_S401_Paper	1.29	1.00	1.02
24.R35B_11636_SCP5_Weathering_303_S401_Paper	1.09	1.16	1.23
25.R35B_3305_SSp2_Antarctica_jc_S401_Paper	-1.28	0.97	0.98
26.R35B_3306_SSp3_Antarctica_jc_S401_Paper	1.21	0.97	1.03
27.R35B_3307_SSp4_Antarctica_jc_S401_Paper	0.90	1.12	1.24

* No equating was performed for S401. Information on anchored items and their P-values can be found in S303 and S203 Annual Technical Report, Table H.

Note that the test form is shared between 3B and 4-5B.

Table 6.5.2.2H

DIF Analysis and Summary: Read 4-5B S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	13	14	11	16
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.R35B_8355_SIp2_BikeSafety_301_S401_Paper	A	F	A	H
2.R35B_8356_SIp3_BikeSafety_301_S401_Paper	A	F	A	O
3.R35B_8400_SIp4_BikeSafety_301_S401_Paper	A	M	A	H
4.R35B_9938_LAp2_AntsandApples_303_S401_Paper	A	M	A	O
5.R35B_9939_LAp3_AntsandApples_303_S401_Paper	A	M	A	O
6.R35B_9940_LAp4_AntsandApples_303_S401_Paper	A	F	A	O
7.R35B_8344_MAp2_PlayPerimeter_301_S401_Paper	A	F	A	O
8.R35B_8345_MAp3_PlayPerimeter_301_S401_Paper	A	F	A	H
9.R35B_8346_MAp4_PlayPerimeter_301_S401_Paper	A	F	A	H
10.R35B_11354_SCP2_Roots_303_S401_Paper	A	F	A	O
11.R35B_11418_SCP3_Roots_303_S401_Paper	A	F	A	O
12.R35B_11411_SCP4_Roots_303_S401_Paper	A	F	A	O
13.R35B_6907_SSp2_IroquoisandHopi_203_S401_Paper	A	F	A	H
14.R35B_6908_SSp3_IroquoisandHopi_203_S401_Paper	A	F	A	O
15.R35B_6909_SSp4_IroquoisandHopi_203_S401_Paper	A	M	A	O
16.R35B_11767_LAp3_MaryAndCamille_303_S401_Paper	A	F	A	H
17.R35B_11773_LAp4_MaryAndCamille_303_S401_Paper	A	F	A	H
18.R35B_11780_LAp5_MaryAndCamille_303_S401_Paper	A	F	A	O
19.R35B_9257_MAp3_Angles_301_S401_Paper	A	M	A	H
20.R35B_9258_MAp4_Angles_301_S401_Paper	A	M	A	O
21.R35B_9259_MAp5_Angles_301_S401_Paper	A	M	A	O
22.R35B_11634_SCP3_Weathering_303_S401_Paper	A	M	A	O
23.R35B_11635_SCP4_Weathering_303_S401_Paper	A	M	A	H
24.R35B_11636_SCP5_Weathering_303_S401_Paper	A	M	A	O
25.R35B_3305_SSp2_Antarctica_jc_S401_Paper	A	M	A	H
26.R35B_3306_SSp3_Antarctica_jc_S401_Paper	A	M	A	H
27.R35B_3307_SSp4_Antarctica_jc_S401_Paper	A	M	A	O

Note that the test form is shared between 3B and 4-5B.

Table 6.5.2.2I

Raw Score to Scale Score Conversion: Read 4-5B S401 Paper

Raw Score	Scale Score		CSEM	Low Bound	High Bound
	Grade 4	Grade 5			
0	166^	175^	86.84	119.16	292.84
1	239	239	26.98	212.02	265.98
2	259	259	19.77	239.23	278.77
3	272	272	16.69	255.31	288.69
4	281	281	14.93	266.07	295.93
5	289	289	13.78	275.22	302.78
6	296	296	12.97	283.03	308.97
7	302	302	12.37	289.63	314.37
8	308	308	11.91	296.09	319.91
9	313	313	11.56	301.44	324.56
10	318	318	11.30	306.70	329.30
11	323	323	11.10	311.90	334.10
12	328	328	10.96	317.04	338.96
13	332	332	10.88	321.12	342.88
14	337	337	10.86	326.15	347.86
15	341	341	10.88	330.12	351.88
16	346	346	10.96	335.04	356.96
17	350	350	11.10	338.90	361.10
18	355	355	11.32	343.68	366.32
19	360	360	11.63	348.37	371.63
20	364*	366	12.04*	353.95*	378.04*
21		372	12.62	359.38	384.62
22		373**	12.74**	365.26**	390.74**
23					
24					
25					
26					
27					

^ Truncated

* Applies to all capped grade 4 scores

** Applies to all capped grade 5 scores

Note that the test form is shared between 3B and 4-5B.

Table 6.5.2.2J

Raw Score to Proficiency Level Conversion: Read 4-5B S401 Paper

Raw Score	Grade 4		Grade 5	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	0.0	1.0	0.0
1	1.5	0.0	1.4	0.0
2	1.6	0.1	1.5	0.1
3	1.7	0.3	1.6	0.1
4	1.8	0.7	1.7	0.5
5	1.8	1.4	1.8	1.0
6	1.9	2.1	1.8	1.8
7	1.9	2.9	1.9	2.1
8	2.0	3.9	1.9	3.1
9	2.2	5.1	1.9	3.6
10	2.3	5.3	2.0	4.5
11	2.5	6.0	2.2	4.9
12	2.7	5.9	2.4	5.3
13	2.8	6.9	2.5	5.3
14	3.1	6.6	2.7	6.1
15	3.3	7.3	2.8	6.6
16	3.5	6.9	3.0	6.7
17	3.7	6.7	3.2	6.8
18	4.1	6.4	3.5	6.6
19	4.6	5.4	3.7	6.8
20	5.0*	4.8	4.2	6.1
21	5.0*	4.3	4.8	5.9
22	5.0*	3.2	5.0*	4.5
23	5.0*	2.9	5.0*	3.8
24	5.0*	2.2	5.0*	3.3
25	5.0*	1.4	5.0*	2.4
26	5.0*	0.8	5.0*	1.5
27	5.0*	0.4	5.0*	0.6

* Capped

Note that the test form is shared between 3B and 4-5B.

6.5.2.3 Reading 4–5C

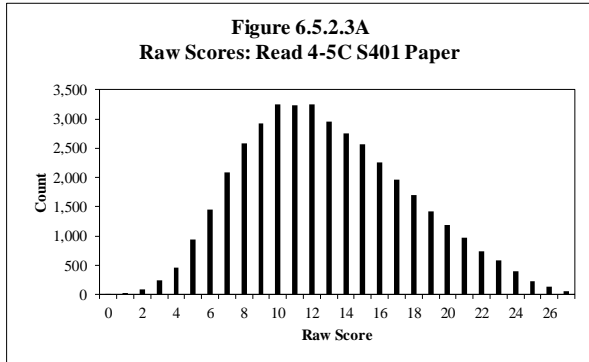


Table 6.5.2.3A

Raw Score Descriptive Statistics: Read 4-5C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	19,990	0	27	11.94	4.59
5	20,454	0	27	13.81	4.91
Total	40,444	0	27	12.89	4.85

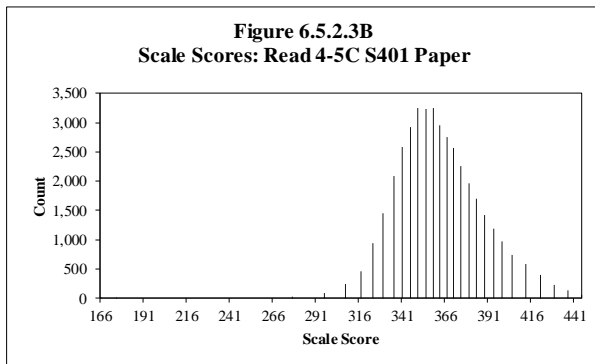


Table 6.5.2.3B

Scale Score Descriptive Statistics: Read 4-5C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	19,990	166	445	358.05	21.79
5	20,454	175	445	366.67	23.26
Total	40,444	166	445	362.41	22.95

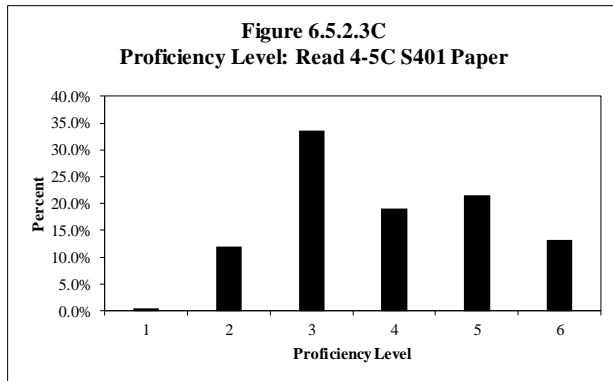


Table 6.5.2.3C
Proficiency Level Distribution: Read 4-5C S401 Paper

Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	71	0.4%	131	0.6%	202	0.5%
2	1,961	9.8%	2,872	14.0%	4,833	11.9%
3	6,381	31.9%	7,202	35.2%	13,583	33.6%
4	4,876	24.4%	2,852	13.9%	7,728	19.1%
5	4,200	21.0%	4,531	22.2%	8,731	21.6%
6	2,501	12.5%	2,866	14.0%	5,367	13.3%
Total	19,990	100.0%	20,454	100.0%	40,444	100.0%

Table 6.5.2.3D
Scaling Equation for Reading

$$\text{Reading Scale Score} = (\text{Ability Measure in Logits} * 26.000) + 323.272$$

Table 6.5.2.3E
Equating Summary: Read 4-5C S401 Paper
Note: No equating was performed for S401.

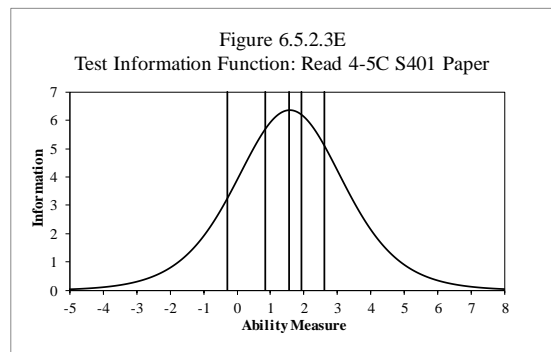
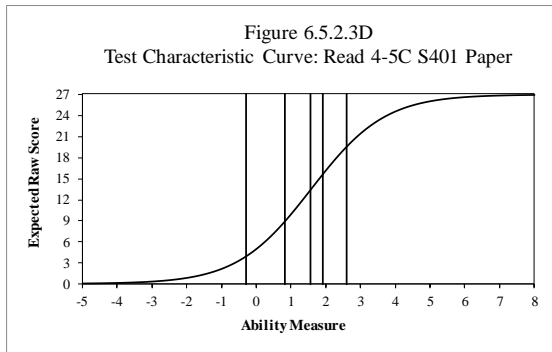


Table 6.5.2.3F
Reliability: Read 4-5C S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
79,477	27	0.746	2.394

Note that the test form is shared between 3C and 4-5C.

Table 6.5.2.3G

Complete Item Analysis and Summary: Read 4-5C S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	1.60	1.00	1.01
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.R35C_8655_SIp3_SportsOpinion_301_S401_Paper	0.71	0.92	0.89
2.R35C_8736_SIp4_SportsOpinion_301_S401_Paper	0.97	0.93	0.90
3.R35C_8737_SIp5_SportsOpinion_301_S401_Paper	2.17	1.02	1.05
4.R35C_10079_LAp3_BellandEdison_303_S401_Paper	0.46	0.93	0.88
5.R35C_10080_LAp4_BellandEdison_303_S401_Paper	1.85	0.98	0.98
6.R35C_10081_LAp5_BellandEdison_303_S401_Paper	2.06	1.05	1.07
7.R35C_9352_MAp3_RoofAngles_301_S401_Paper	1.23	1.08	1.11
8.R35C_9353_MAp4_RoofAngles_301_S401_Paper	1.98	1.13	1.17
9.R35C_9354_MAp5_RoofAngles_301_S401_Paper	2.03	1.08	1.13
10.R35C_11634_SCP3_Weathering_303_S401_Paper	1.37	0.96	0.95
11.R35C_11635_SCP4_Weathering_303_S401_Paper	1.14	0.91	0.88
12.R35C_11636_SCP5_Weathering_303_S401_Paper	1.63	1.04	1.05
13.R35C_7217_SSp3_StetsonHat_203_S401_Paper	2.31	1.04	1.05
14.R35C_7218_SSp4_StetsonHat_203_S401_Paper	1.54	1.05	1.05
15.R35C_7219_SSp5_StetsonHat_203_S401_Paper	1.02	0.91	0.89
16.R35C_11807_LAp3_Poetry_303_S401_Paper	1.45	1.05	1.05
17.R35C_11808_LAp4_Poetry_303_S401_Paper	1.18	1.05	1.10
18.R35C_11809_LAp5_Poetry_303_S401_Paper	1.67	0.90	0.88
19.R35C_8606_MAp3_JarContents_301_S401_Paper	1.77	1.08	1.10
20.R35C_8607_MAp4_JarContents_301_S401_Paper	2.37	1.13	1.20
21.R35C_8608_MAp5_JarContents_301_S401_Paper	1.94	0.97	0.96
22.R35C_7931_SCP3_Glaciers_pasz_S401_Paper	1.64	0.97	0.95
23.R35C_7932_SCP4_Glaciers_pasz_S401_Paper	0.91	0.95	0.93
24.R35C_7933_SCP5_Glaciers_pasz_S401_Paper	2.57	1.00	1.05
25.R35C_7159_SSp3_EleanorRoosevelt_203_S401_Paper	1.66	0.95	0.93
26.R35C_7160_SSp4_EleanorRoosevelt_203_S401_Paper	1.98	1.01	1.02
27.R35C_7161_SSp5_EleanorRoosevelt_203_S401_Paper	1.53	0.93	0.92

* No equating was performed for S401. Information on anchored items and their P-values can be found in S303 Annual Technical Report, Table H.

Note that the test form is shared between 3C and 4-5C.

Table 6.5.2.3H

DIF Analysis and Summary: Read 4-5C S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	13	14	13	14
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.R35C_8655_SIp3_SportsOpinion_301_S401_Paper	A	F	A	H
2.R35C_8736_SIp4_SportsOpinion_301_S401_Paper	A	M	A	H
3.R35C_8737_SIp5_SportsOpinion_301_S401_Paper	A	M	A	H
4.R35C_10079_LAp3_BellandEdison_303_S401_Paper	A	F	A	O
5.R35C_10080_LAp4_BellandEdison_303_S401_Paper	A	M	A	H
6.R35C_10081_LAp5_BellandEdison_303_S401_Paper	A	M	A	O
7.R35C_9352_MAp3_RoofAngles_301_S401_Paper	A	F	A	O
8.R35C_9353_MAp4_RoofAngles_301_S401_Paper	A	F	A	O
9.R35C_9354_MAp5_RoofAngles_301_S401_Paper	A	F	A	H
10.R35C_11634_SCP3_Weathering_303_S401_Paper	A	F	A	O
11.R35C_11635_SCP4_Weathering_303_S401_Paper	A	M	A	O
12.R35C_11636_SCP5_Weathering_303_S401_Paper	A	M	A	O
13.R35C_7217_SSp3_StetsonHat_203_S401_Paper	A	M	A	O
14.R35C_7218_SSp4_StetsonHat_203_S401_Paper	A	F	A	O
15.R35C_7219_SSp5_StetsonHat_203_S401_Paper	A	F	A	H
16.R35C_11807_LAp3_Poetry_303_S401_Paper	A	F	A	H
17.R35C_11808_LAp4_Poetry_303_S401_Paper	A	F	A	H
18.R35C_11809_LAp5_Poetry_303_S401_Paper	A	F	A	H
19.R35C_8606_MAp3_JarContents_301_S401_Paper	A	M	A	O
20.R35C_8607_MAp4_JarContents_301_S401_Paper	A	M	A	H
21.R35C_8608_MAp5_JarContents_301_S401_Paper	A	M	A	O
22.R35C_7931_SCP3_Glaciers_pasz_S401_Paper	A	F	A	H
23.R35C_7932_SCP4_Glaciers_pasz_S401_Paper	A	M	A	O
24.R35C_7933_SCP5_Glaciers_pasz_S401_Paper	A	M	A	H
25.R35C_7159_SSp3_EleanorRoosevelt_203_S401_Paper	A	F	A	H
26.R35C_7160_SSp4_EleanorRoosevelt_203_S401_Paper	A	M	A	O
27.R35C_7161_SSp5_EleanorRoosevelt_203_S401_Paper	A	F	A	O

Note that the test form is shared between 3C and 4-5C.

Table 6.5.2.3I

Raw Score to Scale Score Conversion: Read 4-5C S401 Paper

Raw Score	Scale Score		CSEM	Low Bound	High Bound
	Grade 4	Grade 5			
0	166^	175^	180.96	100.00^	425.96
1	277	277	26.64	250.36	303.64
2	296	296	19.30	276.70	315.30
3	308	308	16.15	291.85	324.15
4	317	317	14.34	302.66	331.34
5	324	324	13.15	310.85	337.15
6	330	330	12.32	317.68	342.32
7	336	336	11.72	324.28	347.72
8	341	341	11.26	329.74	352.26
9	346	346	10.93	335.07	356.93
10	350	350	10.68	339.32	360.68
11	355	355	10.50	344.50	365.50
12	359	359	10.39	348.61	369.39
13	363	363	10.33	352.67	373.33
14	367	367	10.33	356.67	377.33
15	371	371	10.38	360.62	381.38
16	375	375	10.49	364.51	385.49
17	380	380	10.66	369.34	390.66
18	384	384	10.90	373.10	394.90
19	389	389	11.24	377.76	400.24
20	394	394	11.68	382.32	405.68
21	399	399	12.29	386.71	411.29
22	405	405	13.12	391.88	418.12
23	413	413	14.30	398.70	427.30
24	421	421	16.11	404.89	437.11
25	429*	429*	18.20	414.80	451.20
26	437*	437*	20.54	432.46	473.54
27	445*	445*	23.66	461.34	508.66

^ Truncated

* Adjusted for end of scale effect

Note that the test form is shared between 3C and 4-5C.

Table 6.5.2.3J

Raw Score to Proficiency Level Conversion: Read 4-5C S401 Paper

Raw Score	Grade 4		Grade 5	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	0.0	1.0	0.0
1	1.7	0.1	1.7	0.0
2	1.9	0.2	1.8	0.2
3	2.0	0.8	1.9	0.4
4	2.3	1.5	2.0	0.8
5	2.6	3.0	2.2	1.7
6	2.8	4.5	2.4	2.7
7	3.0	6.4	2.6	3.9
8	3.3	7.8	2.8	5.0
9	3.5	8.5	3.0	6.0
10	3.7	9.2	3.2	6.9
11	4.1	8.5	3.5	7.5
12	4.5	8.5	3.7	7.6
13	4.9	7.4	3.9	7.3
14	5.1	6.5	4.3	7.2
15	5.3	5.9	4.7	6.8
16	5.6	4.8	5.1	6.3
17	5.8	3.8	5.3	5.9
18	6.0	3.0	5.6	5.4
19	6.0	2.4	5.8	4.6
20	6.0	2.0	6.0	3.8
21	6.0	1.6	6.0	3.2
22	6.0	1.2	6.0	2.4
23	6.0	1.0	6.0	1.8
24	6.0	0.6	6.0	1.3
25	6.0	0.4	6.0	0.7
26	6.0	0.2	6.0	0.5
27	6.0	0.1	6.0	0.2

Note that the test form is shared between 3C and 4-5C.

6.5.3 Writing 4–5

6.5.3.1 Writing 4–5A

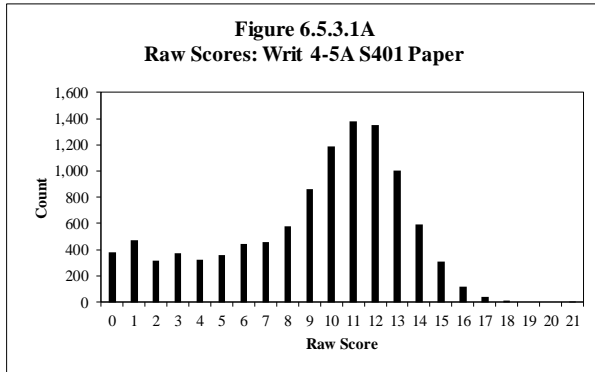


Table 6.5.3.1A

Raw Score Descriptive Statistics: Writ 4-5A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	5,669	0	21	8.82	4.18
5	4,873	0	18	9.32	4.05
Total	10,542	0	21	9.05	4.13

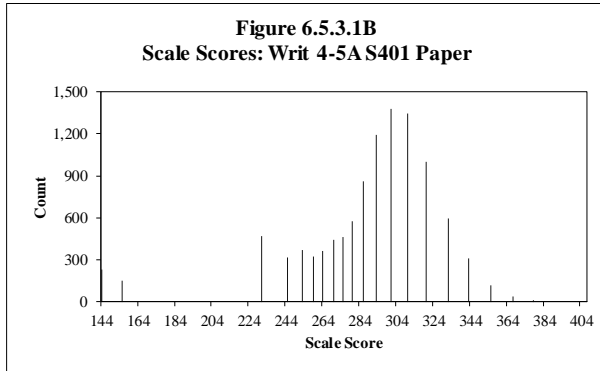


Table 6.5.3.1B

Scale Score Descriptive Statistics: Writ 4-5A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	5,669	144	407	285.31	39.96
5	4,873	155	378	290.28	36.42
Total	10,542	144	407	287.61	38.44

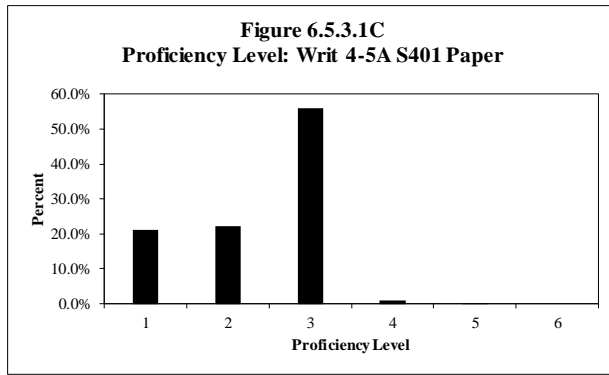


Table 6.5.3.1C
Proficiency Level Distribution: Writ 4-5A S401 Paper

Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	1,296	22.9%	923	18.9%	2,219	21.0%
2	1,263	22.3%	1,074	22.0%	2,337	22.2%
3	3,039	53.6%	2,851	58.5%	5,890	55.9%
4	70	1.2%	25	0.5%	95	0.9%
5	1	0.0%	0	0.0%	1	0.0%
6	0	0.0%	0	0.0%	0	0.0%
Total	5,669	100.0%	4,873	100.0%	10,542	100.0%

Table 6.5.3.1D

Scaling Equation for Writing

Writing Scale Score = (Ability Measure in Logits*26.851) + 303.332

Table 6.5.3.1E

Equating Summary: Writ 4-5A S401 Paper

Comparison of Forms*	Form 401		Form 400			
	No. of Tasks	Average Difficulty (Std. Dev.)	No. of Tasks	Average Difficulty (Std. Dev.)		
	3	1.26 (0.14)	3	2.58 (0.05)		
	Easiest	Hardest	Easiest	Hardest		
1.15	1.41	2.53	2.63			
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)				
	3	1.26 (0.14)				
	No. of Anchors Used	Average Difficulty (Std. Dev.)				
	3	1.26 (0.14)				
	Percentage Anchors	Average Displacement				
100%	0.00					
Common Rating Scale Step Measures	Anchored Scale Steps					
	Step	Measure				
	1	-2.47				
	2	-2.78				
	3	-2.61				
	4	-1.68				
	5	-0.48				
	6	0.97				
	7	2.25				
	8	3.21				
9	3.59					
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty		
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement
	14266	1.41	-0.08	14267	1.15	0.05
	14270	1.22	0.04	14270	1.22	0.04
	14267	1.15	0.05	14266	1.41	-0.08

* No equating was performed for the previous series (S400).

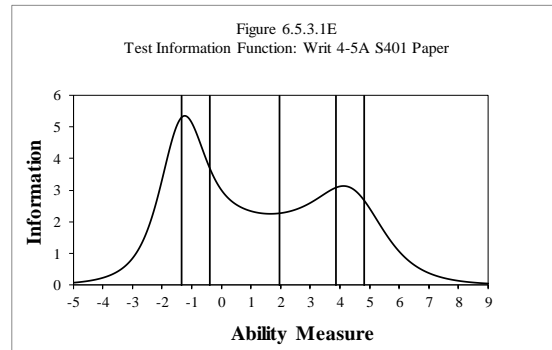
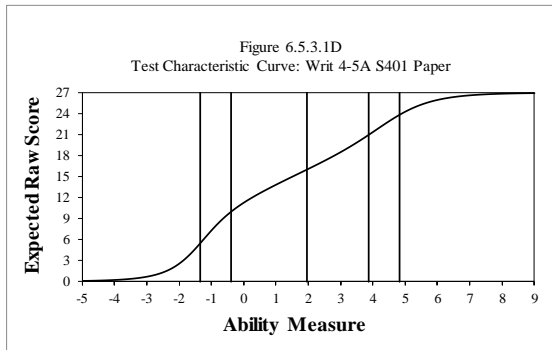


Table 6.5.3.1F

Reliability: Writ 4-5A S401 Paper

Reliability	No. of Students	No. of Tasks	Cronbach's Alpha		SEM
		10,542	3	0.879	
Interrater Reliability	Task	No. in Sample	%AG	%AD	%NA
	1	6,360	96	4	0
	2	5,302	96	4	0
	3	6,396	98	2	0

Table 6.5.3.1G

Complete Task Analysis and Summary: Writ 4-5A S401 Paper

Task Type		Average Task Difficulty (in logits)	No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square
Constructed Response		1.26	3	0.42	0.42
Name		Task Difficulty (in logits)	Anchored?	Fit Statistics	
				Infit Mnsq	Outfit Mnsq
1.W45A_14266_SIp3_DismissalRules_kawo_P100_A301_S401_Paper		1.41	Yes	0.48	0.47
2.W45A_14267_LAp3_Umbrella_203_P100_A301_S401_Paper		1.15	Yes	0.38	0.38
3.W45A_14270_MSp3_PatternsInNature_pale_P100_A203_S401_Paper		1.22	Yes	0.41	0.41
Raw Score Distribution by Task		Raw Score	Task 1	Task 2	Task 3
		0	14.20%	5.90%	14.50%
		1	7.50%	9.40%	4.60%
		2	10.00%	9.30%	8.70%
		3	23.20%	26.40%	32.60%
		4	27.40%	33.70%	33.80%
		5	13.40%	13.50%	5.20%
		6	4.20%	1.70%	0.60%
		7	0.20%	0.10%	0.00%
		8	0.00%	0.00%	0.00%
		9	0.00%	0.00%	0.00%

Table 6.5.3.1H

DIF Analysis and Summary: Writ 4-5A S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
DIF Level	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	2	1	2	1
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.W45A_14266_SIp3_DismissalRules_kawo_P100_A301_S401_Paper	AA	M	AA	H
2.W45A_14267_LAp3_Umbrella_203_P100_A301_S401_Paper	AA	F	AA	H
3.W45A_14270_MSp3_PatternsInNature_pale_P100_A203_S401_Paper	AA	M	AA	O

Table 6.5.3.11

Raw Score to Scale Score Conversion: Writ 4-5A S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	155^	129.15	100.00^	333.15
1	231	23.41	207.59	254.41
2	245	16.35	228.65	261.35
3	253	13.69	239.31	266.69
4	259	12.41	246.59	271.41
5	264	11.79	252.21	275.79
6	270	11.63	258.37	281.63
7	275	11.76	263.24	286.76
8	280	12.24	267.76	292.24
9	286	13.00	273.00	299.00
10	293	14.04	278.96	307.04
11	301	15.22	285.78	316.22
12	310	16.30	293.70	326.30
13	320	17.13	302.87	337.13
14	332	17.64	314.36	349.64
15	343	17.88	325.12	360.88
16	355	17.83	337.17	372.83
17	367	17.51	349.49	384.51
18	378	16.97	361.03	394.97
19	388	16.33	371.67	404.33
20	398	15.71	382.29	413.71
21	407	15.31	391.69	422.31
22	416	15.20	400.80	431.20
23	424	15.60	408.40	439.60
24	434	16.76	417.24	450.76
25	446	19.39	426.61	465.39
26	464	26.50	437.50	490.50
27	496	48.41	447.59	544.41

^ Truncated

Table 6.5.3.1J

Raw Score to Proficiency Level Conversion: Writ 4-5A S401 Paper

Raw Score	Grade 4		Grade 5	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	4.1	1.0	3.0
1	1.7	4.9	1.6	3.9
2	1.8	3.3	1.8	2.6
3	1.8	3.7	1.8	3.3
4	1.9	3.4	1.9	2.7
5	1.9	3.5	1.9	3.3
6	2.1	4.3	2.1	4.1
7	2.4	4.6	2.3	4.2
8	2.6	5.3	2.5	5.6
9	2.9	8.2	2.7	8.1
10	3.0	11.3	3.0	11.2
11	3.2	13.1	3.1	13.1
12	3.3	12.6	3.2	13.0
13	3.5	9.0	3.4	10.1
14	3.6	5.1	3.6	6.3
15	3.8	2.5	3.7	3.4
16	4.0	0.8	3.9	1.4
17	4.3	0.3	4.2	0.4
18	4.5	0.1	4.4	0.1
19	4.7	0.0	4.6	0.0
20	4.9	0.0	4.8	0.0
21	5.2	0.0	5.0	0.0
22	5.6	0.0	5.3	0.0
23	5.9	0.0	5.6	0.0
24	6.0	0.0	6.0	0.0
25	6.0	0.0	6.0	0.0
26	6.0	0.0	6.0	0.0
27	6.0	0.0	6.0	0.0

6.5.3.2 Writing 4–5B

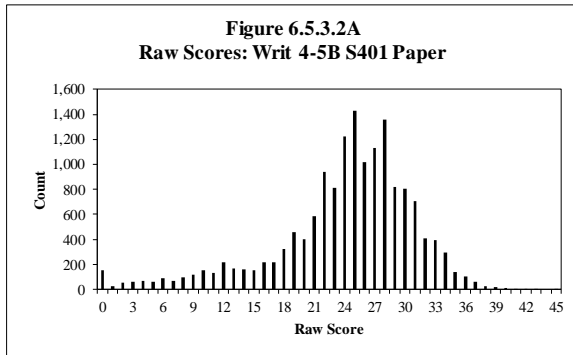


Table 6.5.3.2A

Raw Score Descriptive Statistics: Writ 4-5B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	8,659	0	45	23.29	6.94
5	6,993	0	43	24.97	6.90
Total	15,652	0	45	24.04	6.97

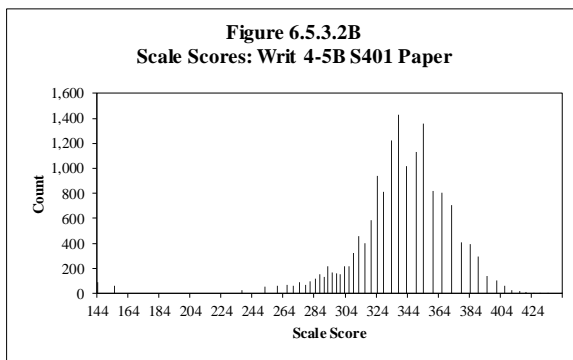


Table 6.5.3.2B

Scale Score Descriptive Statistics: Writ 4-5B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	8,659	144	443	333.13	33.61
5	6,993	155	434	341.30	34.04
Total	15,652	144	443	336.78	34.04

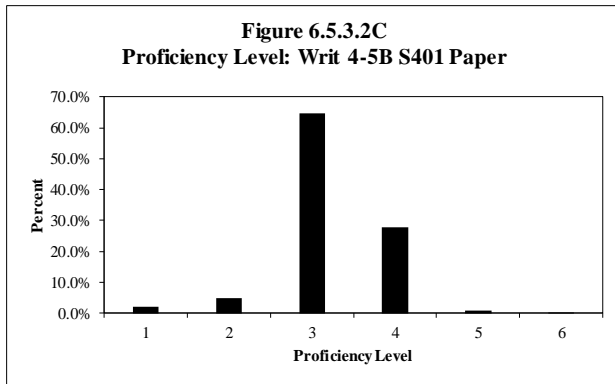


Table 6.5.3.2C

Proficiency Level Distribution: Writ 4-5B S401 Paper

Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	174	2.0%	132	1.9%	306	2.0%
2	413	4.8%	351	5.0%	764	4.9%
3	5,709	65.9%	4,407	63.0%	10,116	64.6%
4	2,289	26.4%	2,051	29.3%	4,340	27.7%
5	71	0.8%	48	0.7%	119	0.8%
6	3	0.0%	4	0.1%	7	0.0%
Total	8,659	100.0%	6,993	100.0%	15,652	100.0%

Table 6.5.3.2D

Scaling Equation for Writing

Writing Scale Score = (Ability Measure in Logits*26.851) + 303.332

Table 6.5.3.2E

Equating Summary: Writ 4-5B S401 Paper

Comparison of Forms*	Form 401		Form 400			
	No. of Tasks	Average Difficulty (Std. Dev.)	No. of Tasks	Average Difficulty (Std. Dev.)		
	3	2.00 (0.45)	3	2.34 (0.48)		
	Easiest	Hardest	Easiest	Hardest		
1.51	2.39	2.02	2.90			
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)				
	2	1.95 (0.62)				
	No. of Anchors Used	Average Difficulty (Std. Dev.)				
	2	1.95 (0.62)				
Percentage Anchors	Average Displacement					
67%	0.01					
Common Rating Scale Step Measures	Anchored Scale Steps					
	Step	Measure				
	1	-2.47				
	2	-2.78				
	3	-2.61				
	4	-1.68				
	5	-0.48				
	6	0.97				
	7	2.25				
	8	3.21				
9	3.59					
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty		
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement
	14273	2.39	-0.01	14272	1.51	0.02
	14272	1.51	0.02	14273	2.39	-0.01

* No equating was performed for the previous series (S400).

Note that the test form is shared between 4-5B and 4-5C.

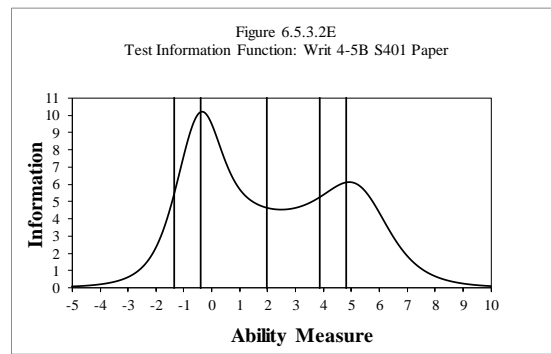
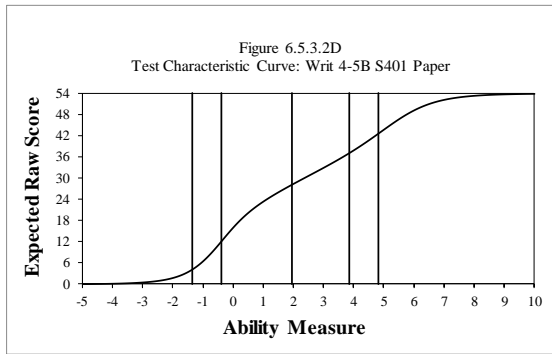


Table 6.5.3.2F

Reliability: Writ 4-5B S401 Paper

Reliability	No. of Students	No. of Tasks	Cronbach's Alpha		SEM
		56,116	3	0.897	
Interrater Reliability	Task	No. in Sample	%AG	%AD	%NA
	1	24,092	95	5	0
	2	24,018	95	5	0
	3	25,084	95	5	0

Note that the test form is shared between 4-5B and 4-5C.

Table 6.5.3.2G

Complete Task Analysis and Summary: Writ 4-5B S401 Paper

Task Type	Average Task Difficulty (in logits)	No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square
Constructed Response	2.00	3	0.66	0.88
Name	Task Difficulty (in logits)	Anchored?	Fit Statistics	
			Infit Mnsq	Outfit Mnsq
1.W45BC_14272_SIp4_FieldTripRules_MaEsSaNa_P100_A301_S401_Paper	1.51	Yes	0.92	0.88
2.W45BC_14273_MSp4_ThePlanets_JeCaDaKi_P100_A203_S401_Paper	2.39	Yes	0.64	0.88
3.W45BC_15757_ITp5_AlgonquinChildren_401_HW_S401_Paper	2.10		0.42	0.88
Raw Score Distribution by Task	Raw Score	Task 1	Task 2	Task 3
	0	1.00%	1.10%	3.90%
	1	0.50%	0.60%	0.80%
	2	1.70%	1.70%	2.50%
	3	4.90%	16.80%	9.20%
	4	23.40%	45.70%	32.90%
	5	41.30%	27.00%	32.90%
	6	24.00%	6.40%	15.50%
	7	3.10%	0.50%	2.00%
	8	0.10%	0.00%	0.20%
9	0.00%	0.00%	0.00%	

Note that the test form is shared between 4-5B and 4-5C.

Table 6.5.3.2H

DIF Analysis and Summary: Writ 4-5B S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	1	2	1	2
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.W45BC_14272_SIp4_FieldTripRules_MaEsSaNa_P100_A301_S401_Paper	AA	F	AA	O
2.W45BC_14273_MSp4_ThePlanets_JeCaDaKi_P100_A203_S401_Paper	AA	F	AA	H
3.W45BC_15757_ITp5_AlgonquinChildren_401_HW_S401_Paper	AA	M	AA	O

Note that the test form is shared between 4-5B and 4-5C.

Table 6.5.3.21

Raw Score to Scale Score Conversion: Writ 4-5B S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound	Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	155^	138.82	100.00^	347.82	34	389	12.35	376.65	401.35
1	237	24.25	212.75	261.25	35	395	12.19	382.81	407.19
2	252	16.59	235.41	268.59	36	401	11.98	389.02	412.98
3	260	13.51	246.49	273.51	37	406	11.76	394.24	417.76
4	266	11.79	254.21	277.79	38	411	11.55	399.45	422.55
5	270	10.71	259.29	280.71	39	416	11.36	404.64	427.36
6	274	9.96	264.04	283.96	40	420	11.17	408.83	431.17
7	278	9.45	268.55	287.45	41	425	11.01	413.99	436.01
8	281	9.08	271.92	290.08	42	429	10.90	418.10	439.90
9	284	8.78	275.22	292.78	43	434	10.85	423.15	444.85
10	287	8.59	278.41	295.59	44	438	10.87	427.13	448.87
11	290	8.49	281.51	298.49	45	443	10.96	432.04	453.96
12	292	8.40	283.60	300.40	46	447	11.14	435.86	458.14
13	295	8.40	286.60	303.40	47	452	11.47	440.53	463.47
14	298	8.46	289.54	306.46	48	457	11.95	445.05	468.95
15	300	8.57	291.43	308.57	49	463	12.67	450.33	475.67
16	303	8.73	294.27	311.73	50	469	13.77	455.23	482.77
17	306	8.94	297.06	314.94	51	477	15.55	461.45	492.55
18	309	9.21	299.79	318.21	52	488	18.77	469.23	506.77
19	312	9.51	302.49	321.51	53	506	26.42	479.58	532.42
20	316	9.88	306.12	325.88	54	538	48.63	489.37	586.63
21	320	10.28	309.72	330.28					
22	324	10.69	313.31	334.69					
23	328	11.09	316.91	339.09					
24	333	11.47	321.53	344.47					
25	338	11.79	326.21	349.79					
26	343	12.06	330.94	355.06					
27	349	12.27	336.73	361.27					
28	354	12.43	341.57	366.43					
29	360	12.57	347.43	372.57					
30	366	12.62	353.38	378.62					
31	372	12.62	359.38	384.62					
32	378	12.57	365.43	390.57					
33	384	12.49	371.51	396.49					

^ Truncated

Note that the test form is shared between 4-5B and 4-5C.

Table 6.5.3.2J

Raw Score to Proficiency Level Conversion: Writ 4-5B S401 Paper

Raw Score	Grade 4		Grade 5	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	1.0	1.0	0.9
1	1.7	0.2	1.7	0.2
2	1.8	0.4	1.8	0.2
3	1.9	0.4	1.9	0.3
4	2.0	0.5	1.9	0.3
5	2.1	0.4	2.1	0.3
6	2.3	0.6	2.2	0.5
7	2.5	0.5	2.4	0.3
8	2.6	0.8	2.5	0.4
9	2.8	0.7	2.6	0.8
10	2.9	1.2	2.7	0.7
11	3.0	0.9	2.8	0.7
12	3.0	1.6	2.9	1.2
13	3.1	1.2	3.0	0.9
14	3.1	1.0	3.0	1.0
15	3.1	1.2	3.1	0.7
16	3.2	1.6	3.1	1.1
17	3.2	1.6	3.2	1.1
18	3.3	2.3	3.2	1.8
19	3.3	3.4	3.3	2.3
20	3.4	2.8	3.3	2.3
21	3.5	4.3	3.4	3.0
22	3.5	6.9	3.4	4.8
23	3.6	5.5	3.5	4.9
24	3.7	8.4	3.6	7.1
25	3.7	9.6	3.7	8.6
26	3.8	6.4	3.7	6.6
27	3.9	7.4	3.8	6.9
28	4.0	7.7	3.9	9.8
29	4.1	4.7	4.0	5.9
30	4.3	4.5	4.1	6.0
31	4.4	3.6	4.3	5.5
32	4.5	2.1	4.4	3.2
33	4.6	1.8	4.5	3.4
34	4.7	1.4	4.6	2.5
35	4.8	0.6	4.7	1.3
36	5.0	0.4	4.8	0.9
37	5.2	0.2	4.9	0.6
38	5.4	0.1	5.1	0.3
39	5.6	0.0	5.3	0.2
40	5.7	0.1	5.5	0.1
41	6.0	0.0	5.6	0.0
42	6.0	0.0	5.8	0.0
43	6.0	0.0	6.0	0.1
44	6.0	0.0	6.0	0.0
45	6.0	0.0	6.0	0.0
46	6.0	0.0	6.0	0.0
47	6.0	0.0	6.0	0.0
48	6.0	0.0	6.0	0.0
49	6.0	0.0	6.0	0.0
50	6.0	0.0	6.0	0.0
51	6.0	0.0	6.0	0.0
52	6.0	0.0	6.0	0.0
53	6.0	0.0	6.0	0.0
54	6.0	0.0	6.0	0.0

Note that the test form is shared between 4-5B and 4-5C.

6.5.3.3 Writing 4–5C

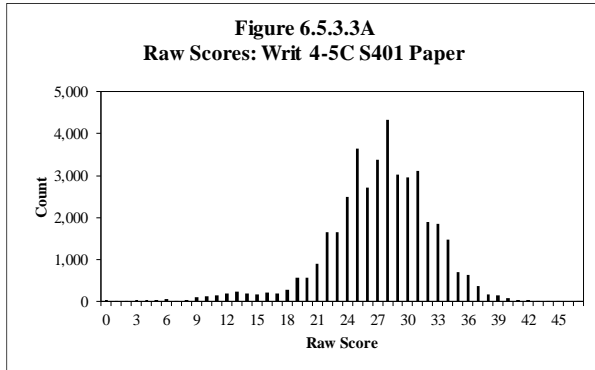


Table 6.5.3.3A

Raw Score Descriptive Statistics: Writ 4-5C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	19,994	0	44	26.20	5.32
5	20,470	0	47	28.17	5.10
Total	40,464	0	47	27.20	5.30

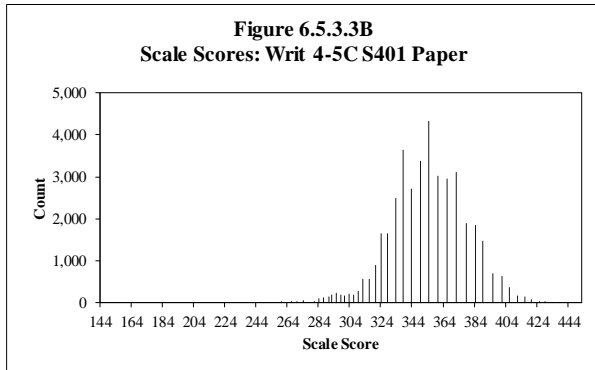


Table 6.5.3.3B

Scale Score Descriptive Statistics: Writ 4-5C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	19,994	144	438	346.82	25.59
5	20,470	155	452	357.01	25.96
Total	40,464	144	452	351.97	26.28

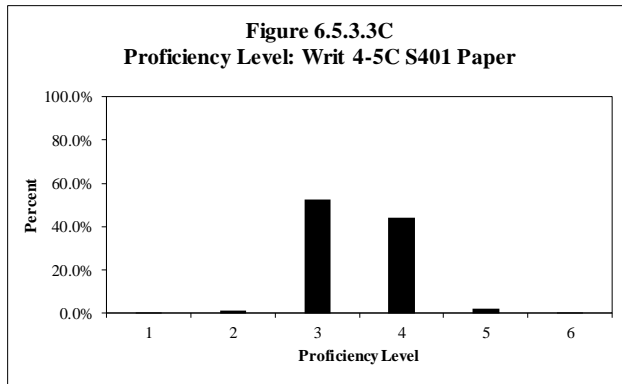


Table 6.5.3.3C

Proficiency Level Distribution: Writ 4-5C S401 Paper

Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	51	0.3%	51	0.2%	102	0.3%
2	261	1.3%	242	1.2%	503	1.2%
3	11,175	55.9%	10,089	49.3%	21,264	52.6%
4	8,042	40.2%	9,751	47.6%	17,793	44.0%
5	435	2.2%	321	1.6%	756	1.9%
6	30	0.2%	16	0.1%	46	0.1%
Total	19,994	100.0%	20,470	100.0%	40,464	100.0%

Table 6.5.3.3D
Scaling Equation for Writing

Writing Scale Score = (Ability Measure in Logits*26.851) + 303.332

Table 6.5.3.3E
Equating Summary: Writ 4-5C S401 Paper

Comparison of Forms*	Form 401		Form 400			
	No. of Tasks	Average Difficulty (Std. Dev.)	No. of Tasks	Average Difficulty (Std. Dev.)		
	3	2.00 (0.45)	3	2.34 (0.48)		
	Easiest	Hardest	Easiest	Hardest		
1.51	2.39	2.02	2.90			
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)				
	2	1.95 (0.62)				
	No. of Anchors Used	Average Difficulty (Std. Dev.)				
	2	1.95 (0.62)				
Percentage Anchors	Average Displacement					
67%	0.01					
Common Rating Scale Step Measures	Anchored Scale Steps					
	Step	Measure				
	1	-2.47				
	2	-2.78				
	3	-2.61				
	4	-1.68				
	5	-0.48				
	6	0.97				
	7	2.25				
	8	3.21				
9	3.59					
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty		
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement
	14273	2.39	-0.01	14272	1.51	0.02
	14272	1.51	0.02	14273	2.39	-0.01

* No equating was performed for the previous series (S400).

Note that the test form is shared between 4-5B and 4-5C.

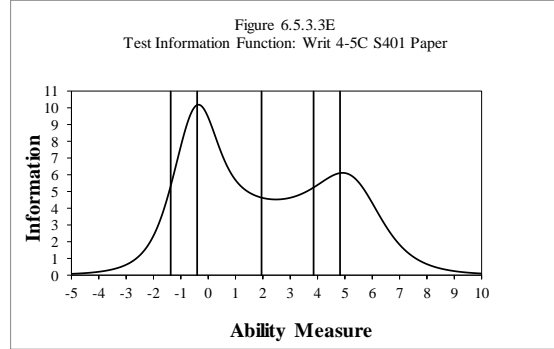
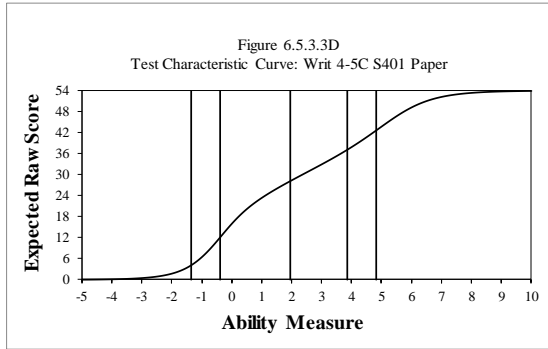


Table 6.5.3.3F

Reliability: Writ 4-5C S401 Paper

Reliability	No. of Students	No. of Tasks	Cronbach's Alpha		SEM
		56,116	3	0.897	
Interrater Reliability	Task	No. in Sample	%AG	%AD	%NA
	1	24,092	95	5	0
	2	24,018	95	5	0
	3	25,084	95	5	0

Note that the test form is shared between 4-5B and 4-5C.

Table 6.5.3.3G

Complete Task Analysis and Summary: Writ 4-5C S401 Paper

Task Type	Average Task Difficulty (in logits)	No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square
Constructed Response	2.00	3	0.66	0.88
Name	Task Difficulty (in logits)	Anchored?	Fit Statistics	
			Infit Mnsq	Outfit Mnsq
1.W45BC_14272_Slp4_FieldTripRules_MaEsSaNa_P100_A301_S401_Paper	1.51	Yes	0.92	0.88
2.W45BC_14273_MSp4_ThePlanets_JeCaDaKi_P100_A203_S401_Paper	2.39	Yes	0.64	0.88
3.W45BC_15757_ITp5_AlgonquinChildren_401_HW_S401_Paper	2.10		0.42	0.88
Raw Score Distribution by Task	Raw Score	Task 1	Task 2	Task 3
	0	1.00%	1.10%	3.90%
	1	0.50%	0.60%	0.80%
	2	1.70%	1.70%	2.50%
	3	4.90%	16.80%	9.20%
	4	23.40%	45.70%	32.90%
	5	41.30%	27.00%	32.90%
	6	24.00%	6.40%	15.50%
	7	3.10%	0.50%	2.00%
	8	0.10%	0.00%	0.20%
	9	0.00%	0.00%	0.00%

Note that the test form is shared between 4-5B and 4-5C.

Table 6.5.3.3H

DIF Analysis and Summary: Writ 4-5C S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	1	2	1	2
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.W45BC_14272_Slp4_FieldTripRules_MaEsSaNa_P100_A301_S401_Paper	AA	F	AA	O
2.W45BC_14273_MSp4_ThePlanets_JeCaDaKi_P100_A203_S401_Paper	AA	F	AA	H
3.W45BC_15757_ITp5_AlgonquinChildren_401_HW_S401_Paper	AA	M	AA	O

Note that the test form is shared between 4-5B and 4-5C.

Table 6.5.3.3I

Raw Score to Scale Score Conversion: Writ 4-5C S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound	Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	155^	138.82	100.00^	347.82	34	389	12.35	376.65	401.35
1	237	24.25	212.75	261.25	35	395	12.19	382.81	407.19
2	252	16.59	235.41	268.59	36	401	11.98	389.02	412.98
3	260	13.51	246.49	273.51	37	406	11.76	394.24	417.76
4	266	11.79	254.21	277.79	38	411	11.55	399.45	422.55
5	270	10.71	259.29	280.71	39	416	11.36	404.64	427.36
6	274	9.96	264.04	283.96	40	420	11.17	408.83	431.17
7	278	9.45	268.55	287.45	41	425	11.01	413.99	436.01
8	281	9.08	271.92	290.08	42	429	10.90	418.10	439.90
9	284	8.78	275.22	292.78	43	434	10.85	423.15	444.85
10	287	8.59	278.41	295.59	44	438	10.87	427.13	448.87
11	290	8.49	281.51	298.49	45	443	10.96	432.04	453.96
12	292	8.40	283.60	300.40	46	447	11.14	435.86	458.14
13	295	8.40	286.60	303.40	47	452	11.47	440.53	463.47
14	298	8.46	289.54	306.46	48	457	11.95	445.05	468.95
15	300	8.57	291.43	308.57	49	463	12.67	450.33	475.67
16	303	8.73	294.27	311.73	50	469	13.77	455.23	482.77
17	306	8.94	297.06	314.94	51	477	15.55	461.45	492.55
18	309	9.21	299.79	318.21	52	488	18.77	469.23	506.77
19	312	9.51	302.49	321.51	53	506	26.42	479.58	532.42
20	316	9.88	306.12	325.88	54	538	48.63	489.37	586.63
21	320	10.28	309.72	330.28					
22	324	10.69	313.31	334.69					
23	328	11.09	316.91	339.09					
24	333	11.47	321.53	344.47					
25	338	11.79	326.21	349.79					
26	343	12.06	330.94	355.06					
27	349	12.27	336.73	361.27					
28	354	12.43	341.57	366.43					
29	360	12.57	347.43	372.57					
30	366	12.62	353.38	378.62					
31	372	12.62	359.38	384.62					
32	378	12.57	365.43	390.57					
33	384	12.49	371.51	396.49					

^ Truncated

Note that the test form is shared between 4-5B and 4-5C.

Table 6.5.3.3J

Raw Score to Proficiency Level Conversion: Writ 4-5C S401 Paper

Raw Score	Grade 4		Grade 5	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	0.1	1.0	0.1
1	1.7	0.0	1.7	0.0
2	1.8	0.1	1.8	0.0
3	1.9	0.1	1.9	0.1
4	2.0	0.1	1.9	0.1
5	2.1	0.1	2.1	0.0
6	2.3	0.2	2.2	0.1
7	2.5	0.1	2.4	0.0
8	2.6	0.1	2.5	0.1
9	2.8	0.3	2.6	0.1
10	2.9	0.4	2.7	0.2
11	3.0	0.5	2.8	0.3
12	3.0	0.6	2.9	0.3
13	3.1	0.7	3.0	0.4
14	3.1	0.5	3.0	0.3
15	3.1	0.5	3.1	0.3
16	3.2	0.7	3.1	0.4
17	3.2	0.6	3.2	0.3
18	3.3	0.8	3.2	0.6
19	3.3	1.9	3.3	0.9
20	3.4	1.7	3.3	1.0
21	3.5	3.0	3.4	1.5
22	3.5	5.1	3.4	3.0
23	3.6	5.1	3.5	3.1
24	3.7	7.7	3.6	4.7
25	3.7	10.4	3.7	7.7
26	3.8	7.3	3.7	6.2
27	3.9	8.8	3.8	7.9
28	4.0	10.5	3.9	10.9
29	4.1	7.0	4.0	8.0
30	4.3	6.5	4.1	8.1
31	4.4	6.1	4.3	9.2
32	4.5	3.4	4.4	6.0
33	4.6	3.1	4.5	6.0
34	4.7	2.6	4.6	4.7
35	4.8	1.1	4.7	2.3
36	5.0	1.1	4.8	2.1
37	5.2	0.5	4.9	1.2
38	5.4	0.3	5.1	0.5
39	5.6	0.2	5.3	0.5
40	5.7	0.1	5.5	0.3
41	6.0	0.1	5.6	0.1
42	6.0	0.1	5.8	0.1
43	6.0	0.0	6.0	0.0
44	6.0	0.0	6.0	0.0
45	6.0	0.0	6.0	0.0
46	6.0	0.0	6.0	0.0
47	6.0	0.0	6.0	0.0
48	6.0	0.0	6.0	0.0
49	6.0	0.0	6.0	0.0
50	6.0	0.0	6.0	0.0
51	6.0	0.0	6.0	0.0
52	6.0	0.0	6.0	0.0
53	6.0	0.0	6.0	0.0
54	6.0	0.0	6.0	0.0

Note that the test form is shared between 4-5B and 4-5C.

6.5.4 Speaking 4–5

6.5.4.1 Speaking 4–5A

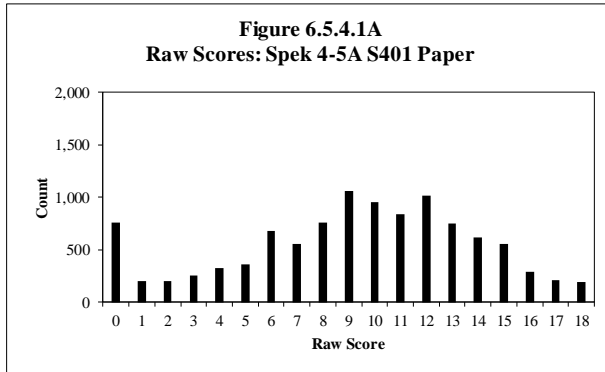


Table 6.5.4.1A

Raw Score Descriptive Statistics: Spek 4-5A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	5,669	0	18	9.13	4.57
5	4,872	0	18	9.29	4.54
Total	10,541	0	18	9.21	4.56

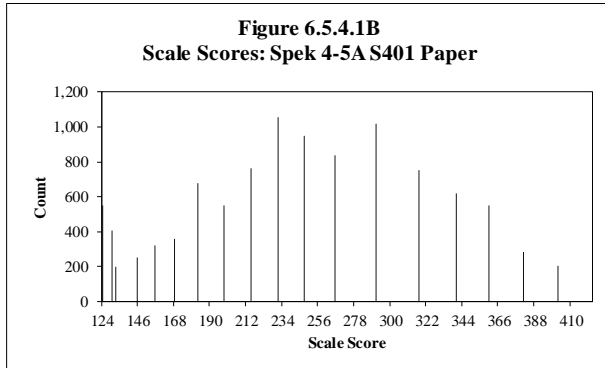


Table 6.5.4.1B

Scale Score Descriptive Statistics: Spek 4-5A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	5,669	124	423	245.91	77.64
5	4,872	130	423	248.86	77.74
Total	10,541	124	423	247.27	77.70

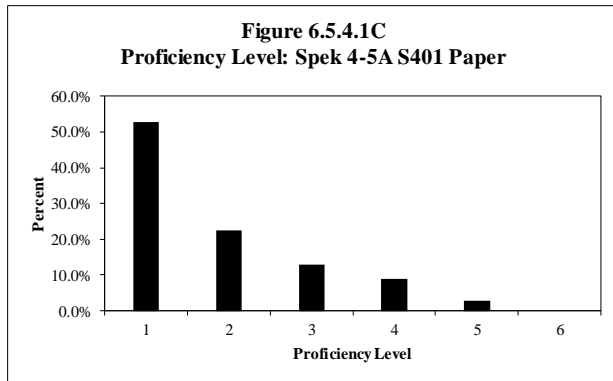


Table 6.5.4.1C
Proficiency Level Distribution: Spek 4-5A S401 Paper

Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	2,765	48.8%	2,802	57.5%	5,567	52.8%
2	1,529	27.0%	842	17.3%	2,371	22.5%
3	751	13.2%	618	12.7%	1,369	13.0%
4	429	7.6%	502	10.3%	931	8.8%
5	195	3.4%	108	2.2%	303	2.9%
6	0	0.0%	0	0.0%	0	0.0%
Total	5,669	100.0%	4,872	100.0%	10,541	100.0%

Table 6.5.4.1D

Scaling Equation for Speaking

Speaking Scale Score = (Ability Measure in Logits*29.248) + 265.076
--

Table 6.5.4.1E

Equating Summary: Spek 4-5A S401 Paper

Comparison of Forms*	Form 401			Form 400				
	No. of Tasks	Average Difficulty (Std. Dev.)		No. of Tasks	Average Difficulty (Std. Dev.)			
	9	-0.30 (2.83)		10	0.00 (2.96)			
	Easiest	Hardest		Easiest	Hardest			
-4.15	2.68		-4.36	2.79				
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)						
	9	-0.30 (2.83)						
	No. of Anchors Used	Average Difficulty (Std. Dev.)						
	6	1.54 (0.76)						
	Percentage Anchors	Average Displacement						
67%	0.00							
Rating Scale Step Measures by Task	Anchored Scale Steps							
	Task	Step	Measure					
	PL 1 Tasks	1	0.56					
		2	-0.56					
	PL 3/PL 5 Tasks	1	-2.65					
		2	-1.80					
		3	1.46					
4		2.98						
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty				
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement		
	14738	2.68	-0.36	14502	0.75	0.21		
	14503	2.12	-0.02	14743	0.77	0.04		
	14744	1.35	-0.02	14744	1.35	-0.02		
	14743	0.77	0.04	14737	1.55	0.15		
	14737	1.55	0.15	14503	2.12	-0.02		
	14502	0.75	0.21	14738	2.68	-0.36		

* No equating was performed for the previous series (S400).

Note that this table includes all tasks across tiers for this cluster.

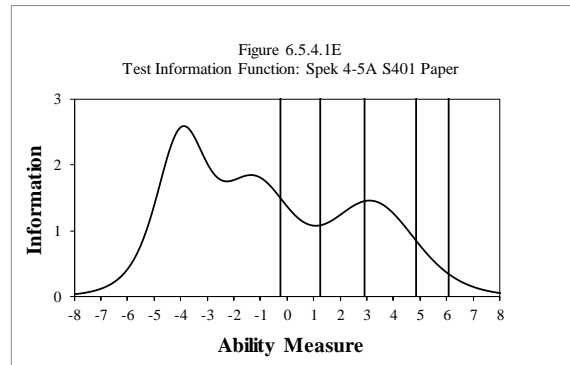
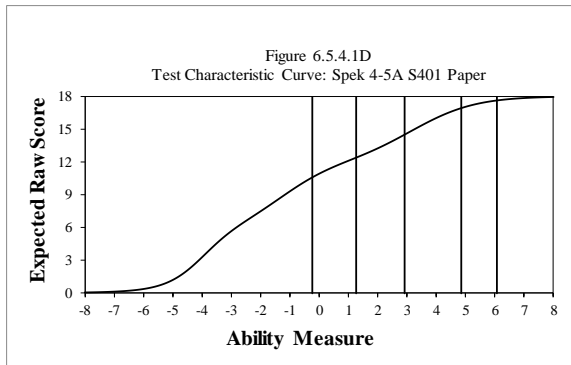


Table 6.5.4.1F

Reliability: Spek 4-5A S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
10,541	6	0.897	1.462

Table 6.5.4.1G

Complete Task Analysis and Summary: Spek 4-5A S401 Paper

Task Type	Average Task Difficulty (in logits)	No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square		
Constructed Response	-0.30	12	0.64	0.57		
Name	Tier	Task Difficulty (in logits)	Anchored?	Fit Statistics		
				Infit Mnsq	Outfit Mnsq	
1.S45A_SI_NewStudent_401_14500_P1	A	-4.04		0.61	0.32	
2.S45A_SI_NewStudent_401_14501_P3	A*	0.75	Yes	0.72	0.75	
3.S45C_SI_NewStudent_401_14502_P3	B/C*	0.75	Yes	0.72	0.75	
4.S45C_SI_NewStudent_401_14503_P5	B/C	2.12	Yes	0.63	0.64	
5.S45A_LS_ElishaOtis_401_V1_14731_P1	A	-4.15		0.54	0.31	
6.S45A_LS_ElishaOtis_401_V1_14732_P3	A*	1.55	Yes	0.70	0.73	
7.S45C_LS_ElishaOtis_401_V1_14737_P3	B/C*	1.55	Yes	0.70	0.73	
8.S45C_LS_ElishaOtis_401_V1_14738_P5	B/C	2.68	Yes	0.64	0.66	
9.S45A_MS_GrowingPlants_401_14735_P1	A	-3.76		0.54	0.25	
10.S45A_MS_GrowingPlants_401_14736_P3	A*	0.77	Yes	0.72	0.75	
11.S45C_MS_GrowingPlants_401_14743_P3	B/C*	0.77	Yes	0.72	0.75	
12.S45C_MS_GrowingPlants_401_V2_14744_P5	B/C	1.35	Yes	0.66	0.69	
Raw Score Distribution by Task	Task	Raw Score				
		0	1	2	3	4
	Task 1	11.46%	15.94%	72.60%	N/A	N/A
	Task 2	3.95%	9.54%	28.04%	36.60%	21.87%
	Task 3	3.95%	9.54%	28.04%	36.60%	21.87%
	Task 4	0.78%	5.82%	28.07%	39.45%	25.88%
	Task 5	12.32%	17.46%	70.22%	N/A	N/A
	Task 6	5.67%	14.86%	32.46%	31.54%	15.47%
	Task 7	5.67%	14.86%	32.46%	31.54%	15.47%
	Task 8	1.46%	13.68%	38.36%	32.96%	13.54%
	Task 9	12.04%	15.78%	72.18%	N/A	N/A
	Task 10	4.04%	12.41%	28.49%	34.02%	21.04%
	Task 11	4.04%	12.41%	28.49%	34.02%	21.04%
Task 12	0.77%	5.40%	29.26%	41.55%	23.02%	

* Task is shared between A and B/C.

Note that this table includes all tasks across tiers for this cluster.

Table 6.5.4.1H

DIF Analysis and Summary: Spek 4-5A S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
DIF Level	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	2	4	2	4
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.S45A_14500_Slp1_NewStudent_401_S401_Paper	AA	F	AA	O
2.S45A_14501_Slp3_NewStudent_401_S401_Paper	AA	F	AA	O
3.S45A_14731_LSp1_ElishaOtis_401_V1_S401_Paper	AA	F	AA	O
4.S45A_14732_LSp3_ElishaOtis_401_V1_S401_Paper	AA	M	AA	H
5.S45A_14735_MSp1_GrowingPlants_401_S401_Paper	AA	M	AA	O
6.S45A_14736_MSp3_GrowingPlants_401_S401_Paper	AA	F	AA	H

Table 6.5.4.11

Raw Score to Scale Score Conversion: Spek 4-5A S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	130^	20.77	100.00^	105.77
1	130^	20.77	100.00^	134.77
2	132	20.18	111.82	152.18
3	145	18.43	126.57	163.43
4	156	18.13	137.87	174.13
5	168	19.30	148.70	187.30
6	182	21.06	160.94	203.06
7	198	21.94	176.06	219.94
8	215	21.64	193.36	236.64
9	231	21.64	209.36	252.64
10	247	22.52	224.48	269.52
11	266	25.15	240.85	291.15
12	291	28.08	262.92	319.08
13	317	26.91	290.09	343.91
14	340	24.57	315.43	364.57
15	360	24.28	335.72	384.28
16	381	26.03	354.97	407.03
17	402*	30.42	378.58	439.42
18	423*	38.31	410.69	487.31

^ Truncated

* Adjusted for end of scale effect

Table 6.5.4.1J

Raw Score to Proficiency Level Conversion: Spek 4-5A S401 Paper

Raw Score	Grade 4		Grade 5	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	7.7	1.0	6.6
1	1.0	2.0	1.0	1.8
2	1.0	2.0	1.0	1.8
3	1.1	2.5	1.1	2.3
4	1.2	2.8	1.2	3.3
5	1.3	3.1	1.2	3.7
6	1.4	6.3	1.4	6.5
7	1.6	5.3	1.5	5.1
8	1.7	7.1	1.6	7.3
9	1.8	9.9	1.7	10.1
10	2.0	9.1	1.9	8.9
11	2.4	8.0	2.1	7.9
12	2.9	9.8	2.7	9.4
13	3.4	7.4	3.3	6.8
14	3.9	5.9	3.7	5.9
15	4.3	4.8	4.1	5.7
16	4.7	2.8	4.5	2.7
17	5.1	2.0	4.9	1.9
18	5.6	1.4	5.4	2.2

6.5.4.2 Speaking 4–5B

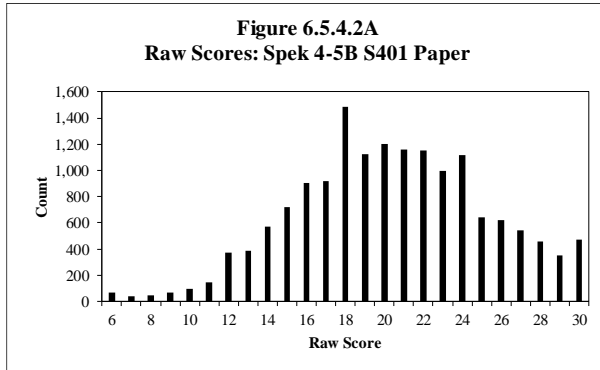


Table 6.5.4.2A

Raw Score Descriptive Statistics: Spek 4-5B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	8,661	6	30	20.14	4.77
5	6,995	6	30	20.54	4.93
Total	15,656	6	30	20.32	4.84

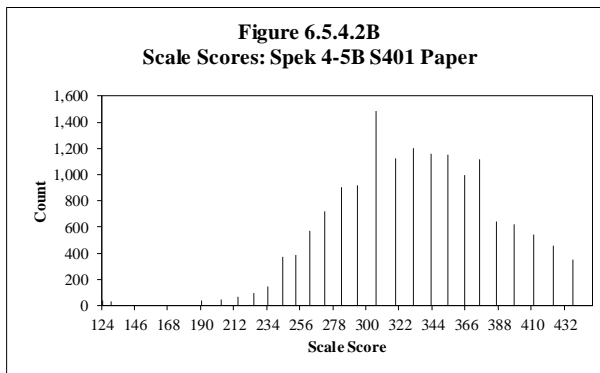


Table 6.5.4.2B

Scale Score Descriptive Statistics: Spek 4-5B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	8,661	124	450	332.05	55.17
5	6,995	130	450	336.79	57.07
Total	15,656	124	450	334.17	56.07

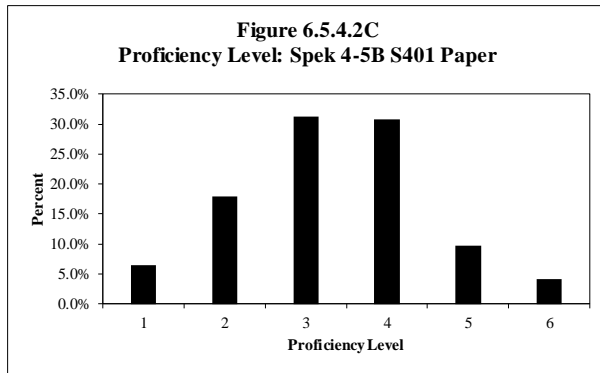


Table 6.5.4.2C

Proficiency Level Distribution: Spek 4-5B S401 Paper

Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	461	5.3%	536	7.7%	997	6.4%
2	1,456	16.8%	1,339	19.1%	2,795	17.9%
3	2,765	31.9%	2,117	30.3%	4,882	31.2%
4	2,739	31.6%	2,082	29.8%	4,821	30.8%
5	836	9.7%	682	9.7%	1,518	9.7%
6	404	4.7%	239	3.4%	643	4.1%
Total	8,661	100.0%	6,995	100.0%	15,656	100.0%

Table 6.5.4.2D

Scaling Equation for Speaking

Speaking Scale Score = (Ability Measure in Logits*29.248) + 265.076
--

Table 6.5.4.2E

Equating Summary: Spek 4-5B S401 Paper

Comparison of Forms*	Form 401			Form 400				
	No. of Tasks	Average Difficulty (Std. Dev.)		No. of Tasks	Average Difficulty (Std. Dev.)			
	9	-0.30 (2.83)		10	0.00 (2.96)			
	Easiest	Hardest		Easiest	Hardest			
-4.15	2.68		-4.36	2.79				
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)						
	9	-0.30 (2.83)						
	No. of Anchors Used	Average Difficulty (Std. Dev.)						
	6	1.54 (0.76)						
	Percentage Anchors	Average Displacement						
67%	0.00							
Rating Scale Step Measures by Task	Anchored Scale Steps							
	Task	Step	Measure					
	PL 1 Tasks	1	0.56					
		2	-0.56					
	PL 3/PL 5 Tasks	1	-2.65					
		2	-1.80					
		3	1.46					
4		2.98						
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty				
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement		
	14738	2.68	-0.36	14502	0.75	0.21		
	14503	2.12	-0.02	14743	0.77	0.04		
	14744	1.35	-0.02	14744	1.35	-0.02		
	14743	0.77	0.04	14737	1.55	0.15		
	14737	1.55	0.15	14503	2.12	-0.02		
	14502	0.75	0.21	14738	2.68	-0.36		

* No equating was performed for the previous series (S400).

Note that this table includes all tasks across tiers for this cluster.

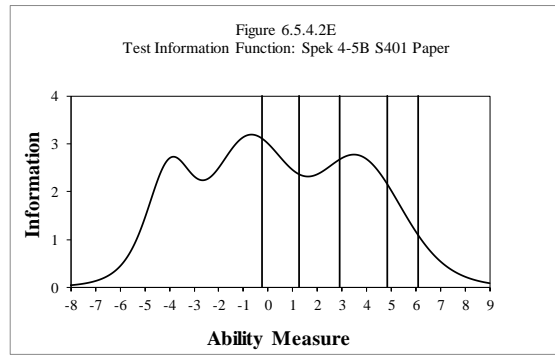
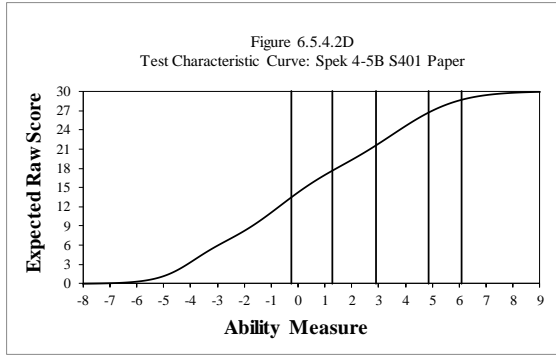


Table 6.5.4.2F

Reliability: Spek 4-5B S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
56,127	6	0.908	1.388

Note that the test form is shared between 4-5B and 4-5C.

Table 6.5.4.2G

Complete Task Analysis and Summary: Spek 4-5B S401 Paper

Task Type	Average Task Difficulty (in logits)		No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square	
Constructed Response	-0.30		12	0.64	0.57	
Name	Tier	Task Difficulty (in logits)	Anchored?	Fit Statistics		
				Infit Mnsq	Outfit Mnsq	
1.S45A_SL_NewStudent_401_14500_P1	A	-4.04		0.61	0.32	
2.S45A_SL_NewStudent_401_14501_P3	A*	0.75	Yes	0.72	0.75	
3.S45C_SL_NewStudent_401_14502_P3	B/C*	0.75	Yes	0.72	0.75	
4.S45C_SL_NewStudent_401_14503_P5	B/C	2.12	Yes	0.63	0.64	
5.S45A_LS_ElishaOtis_401_V1_14731_P1	A	-4.15		0.54	0.31	
6.S45A_LS_ElishaOtis_401_V1_14732_P3	A*	1.55	Yes	0.70	0.73	
7.S45C_LS_ElishaOtis_401_V1_14737_P3	B/C*	1.55	Yes	0.70	0.73	
8.S45C_LS_ElishaOtis_401_V1_14738_P5	B/C	2.68	Yes	0.64	0.66	
9.S45A_MS_GrowingPlants_401_14735_P1	A	-3.76		0.54	0.25	
10.S45A_MS_GrowingPlants_401_14736_P3	A*	0.77	Yes	0.72	0.75	
11.S45C_MS_GrowingPlants_401_14743_P3	B/C*	0.77	Yes	0.72	0.75	
12.S45C_MS_GrowingPlants_401_V2_14744_P5	B/C	1.35	Yes	0.66	0.69	
Raw Score Distribution by Task	Raw Score					
	Task	0	1	2	3	4
	Task 1	11.46%	15.94%	72.60%	N/A	N/A
	Task 2	3.95%	9.54%	28.04%	36.60%	21.87%
	Task 3	3.95%	9.54%	28.04%	36.60%	21.87%
	Task 4	0.78%	5.82%	28.07%	39.45%	25.88%
	Task 5	12.32%	17.46%	70.22%	N/A	N/A
	Task 6	5.67%	14.86%	32.46%	31.54%	15.47%
	Task 7	5.67%	14.86%	32.46%	31.54%	15.47%
	Task 8	1.46%	13.68%	38.36%	32.96%	13.54%
	Task 9	12.04%	15.78%	72.18%	N/A	N/A
	Task 10	4.04%	12.41%	28.49%	34.02%	21.04%
	Task 11	4.04%	12.41%	28.49%	34.02%	21.04%
Task 12	0.77%	5.40%	29.26%	41.55%	23.02%	

* Task is shared between A and B/C.

Note that this table includes all tasks across tiers for this cluster.

Table 6.5.4.2H

DIF Analysis and Summary: Spek 4-5B S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
DIF Level	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	2	4	2	4
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.S45C_14502_Slp3_NewStudent_401_S401_Paper	AA	F	AA	O
2.S45C_14503_Slp5_NewStudent_401_S401_Paper	AA	F	AA	O
3.S45C_14737_LSp3_ElishaOtis_401_V1_S401_Paper	AA	M	AA	O
4.S45C_14738_LSp5_ElishaOtis_401_V1_S401_Paper	AA	M	AA	H
5.S45C_14743_MSp3_GrowingPlants_401_V2_S401_Paper	AA	F	AA	O
6.S45C_14744_MSp5_GrowingPlants_401_V2_S401_Paper	AA	F	AA	H

Note that the test form is shared between 4-5B and 4-5C.

Table 6.5.4.2I

Raw Score to Scale Score Conversion: Spek 4-5B S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
6	130^	20.47	156.53	197.47
7	190	19.60	170.40	209.60
8	203	18.72	184.28	221.72
9	214	17.84	196.16	231.84
10	225	16.96	208.04	241.96
11	234	16.67	217.33	250.67
12	244	16.38	227.62	260.38
13	253	16.38	236.62	269.38
14	262	16.67	245.33	278.67
15	272	17.26	254.74	289.26
16	283	17.84	265.16	300.84
17	294	18.72	275.28	312.72
18	306	19.30	286.70	325.30
19	319	19.01	299.99	338.01
20	331	18.72	312.28	349.72
21	343	18.13	324.87	361.13
22	354	17.84	336.16	371.84
23	365	17.55	347.45	382.55
24	375	17.55	357.45	392.55
25	386	18.13	367.87	404.13
26	398	19.01	378.99	417.01
27	411	20.47	390.53	431.47
28	424*	22.81	404.19	449.81
29	437*	26.32	425.68	478.32
30	450*	30.71	459.29	520.71

^ Truncated

* Adjusted for end of scale effect

Note that the test form is shared between 4-5B and 4-5C.

Table 6.5.4.2J

Raw Score to Proficiency Level Conversion: Spek 4-5B S401 Paper

Raw Score	Grade 4		Grade 5	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
6	1.0	0.4	1.0	0.5
7	1.5	0.2	1.4	0.2
8	1.6	0.3	1.5	0.3
9	1.7	0.4	1.6	0.4
10	1.8	0.6	1.7	0.6
11	1.9	0.8	1.8	1.0
12	1.9	2.5	1.8	2.3
13	2.1	2.5	1.9	2.4
14	2.3	3.9	2.0	3.4
15	2.5	4.6	2.3	4.6
16	2.7	5.8	2.5	5.8
17	3.0	6.3	2.8	5.4
18	3.2	10.3	3.0	8.5
19	3.5	7.5	3.3	6.8
20	3.7	7.9	3.6	7.4
21	4.0	7.3	3.8	7.5
22	4.2	7.1	4.0	7.7
23	4.4	6.2	4.2	6.6
24	4.6	7.2	4.4	7.0
25	4.8	3.8	4.6	4.5
26	5.0	3.9	4.8	4.0
27	5.3	3.1	5.1	3.9
28	5.7	2.6	5.4	3.3
29	6.0	2.0	5.8	2.5
30	6.0	2.7	6.0	3.4

Note that the test form is shared between 4-5B and 4-5C.

6.5.4.3 Speaking 4–5C

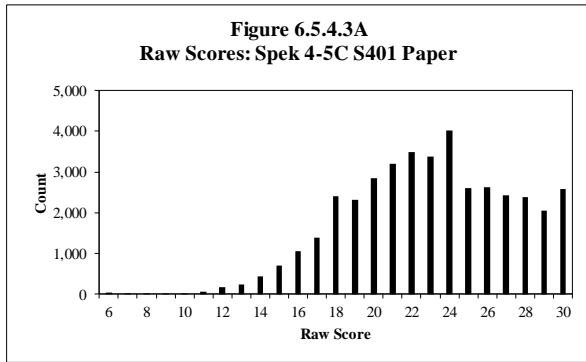


Table 6.5.4.3A

Raw Score Descriptive Statistics: Spek 4-5C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	19,998	6	30	22.59	4.27
5	20,473	6	30	23.30	4.20
Total	40,471	6	30	22.95	4.25

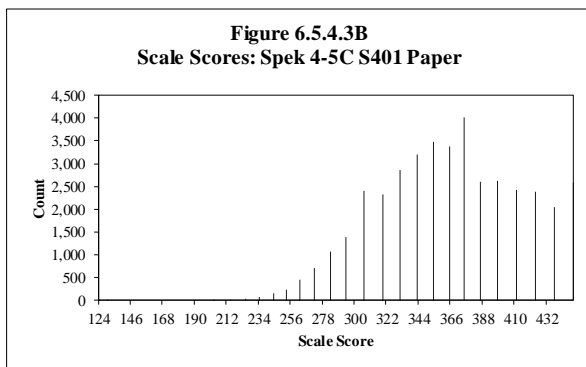


Table 6.5.4.3B

Scale Score Descriptive Statistics: Spek 4-5C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
4	19,998	124	450	360.40	49.90
5	20,473	130	450	368.62	49.19
Total	40,471	124	450	364.56	49.71

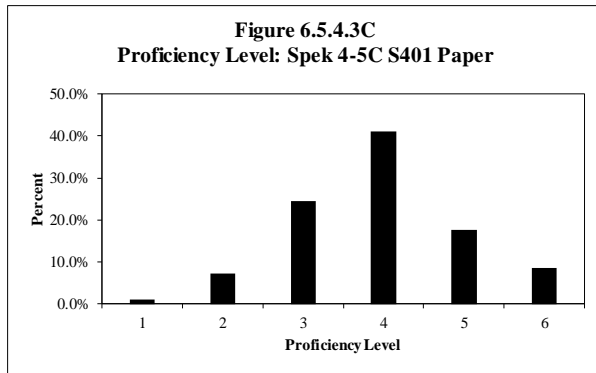


Table 6.5.4.3C
Proficiency Level Distribution: Spek 4-5C S401 Paper

Level	Grade 4		Grade 5		Total	
	Count	Percent	Count	Percent	Count	Percent
1	174	0.9%	238	1.2%	412	1.0%
2	1,429	7.1%	1,515	7.4%	2,944	7.3%
3	4,763	23.8%	5,132	25.1%	9,895	24.4%
4	8,300	41.5%	8,295	40.5%	16,595	41.0%
5	3,310	16.6%	3,860	18.9%	7,170	17.7%
6	2,022	10.1%	1,433	7.0%	3,455	8.5%
Total	19,998	100.0%	20,473	100.0%	40,471	100.0%

Table 6.5.4.3D

Scaling Equation for Speaking

Speaking Scale Score = (Ability Measure in Logits*29.248) + 265.076
--

Table 6.5.4.3E

Equating Summary: Spek 4-5C S401 Paper

Comparison of Forms*	Form 401			Form 400				
	No. of Tasks	Average Difficulty (Std. Dev.)		No. of Tasks	Average Difficulty (Std. Dev.)			
	9	-0.30 (2.83)		10	0.00 (2.96)			
	Easiest	Hardest		Easiest	Hardest			
-4.15	2.68		-4.36	2.79				
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)						
	9	-0.30 (2.83)						
	No. of Anchors Used	Average Difficulty (Std. Dev.)						
	6	1.54 (0.76)						
	Percentage Anchors	Average Displacement						
67%	0.00							
Rating Scale Step Measures by Task	Anchored Scale Steps							
	Task	Step	Measure					
	PL 1 Tasks	1	0.56					
		2	-0.56					
	PL 3/PL 5 Tasks	1	-2.65					
		2	-1.80					
		3	1.46					
4		2.98						
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty				
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement		
	14738	2.68	-0.36	14502	0.75	0.21		
	14503	2.12	-0.02	14743	0.77	0.04		
	14744	1.35	-0.02	14744	1.35	-0.02		
	14743	0.77	0.04	14737	1.55	0.15		
	14737	1.55	0.15	14503	2.12	-0.02		
	14502	0.75	0.21	14738	2.68	-0.36		

* No equating was performed for the previous series (S400).

Note that this table includes all tasks across tiers for this cluster.

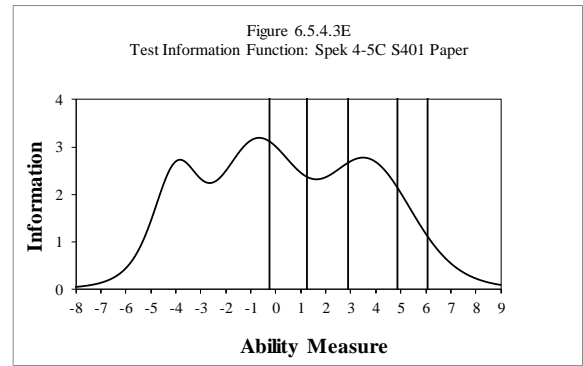
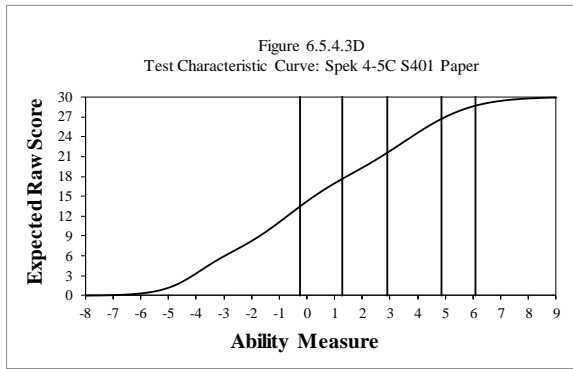


Table 6.5.4.3F

Reliability: Spek 4-5C S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
56,127	6	0.908	1.388

Note that the test form is shared between 4-5B and 4-5C.

Table 6.5.4.3G

Complete Task Analysis and Summary: Spek 4-5C S401 Paper

Task Type	Average Task Difficulty (in logits)		No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square	
Constructed Response	-0.30		12	0.64	0.57	
Name	Tier	Task Difficulty (in logits)	Anchored?	Fit Statistics		
				Infit Mnsq	Outfit Mnsq	
1.S45A_SI_NewStudent_401_14500_P1	A	-4.04		0.61	0.32	
2.S45A_SI_NewStudent_401_14501_P3	A*	0.75	Yes	0.72	0.75	
3.S45C_SI_NewStudent_401_14502_P3	B/C*	0.75	Yes	0.72	0.75	
4.S45C_SI_NewStudent_401_14503_P5	B/C	2.12	Yes	0.63	0.64	
5.S45A_LS_ElishaOtis_401_V1_14731_P1	A	-4.15		0.54	0.31	
6.S45A_LS_ElishaOtis_401_V1_14732_P3	A*	1.55	Yes	0.70	0.73	
7.S45C_LS_ElishaOtis_401_V1_14737_P3	B/C*	1.55	Yes	0.70	0.73	
8.S45C_LS_ElishaOtis_401_V1_14738_P5	B/C	2.68	Yes	0.64	0.66	
9.S45A_MS_GrowingPlants_401_14735_P1	A	-3.76		0.54	0.25	
10.S45A_MS_GrowingPlants_401_14736_P3	A*	0.77	Yes	0.72	0.75	
11.S45C_MS_GrowingPlants_401_14743_P3	B/C*	0.77	Yes	0.72	0.75	
12.S45C_MS_GrowingPlants_401_V2_14744_P5	B/C	1.35	Yes	0.66	0.69	
Raw Score Distribution by Task	Task	Raw Score				
		0	1	2	3	4
	Task 1	11.46%	15.94%	72.60%	N/A	N/A
	Task 2	3.95%	9.54%	28.04%	36.60%	21.87%
	Task 3	3.95%	9.54%	28.04%	36.60%	21.87%
	Task 4	0.78%	5.82%	28.07%	39.45%	25.88%
	Task 5	12.32%	17.46%	70.22%	N/A	N/A
	Task 6	5.67%	14.86%	32.46%	31.54%	15.47%
	Task 7	5.67%	14.86%	32.46%	31.54%	15.47%
	Task 8	1.46%	13.68%	38.36%	32.96%	13.54%
	Task 9	12.04%	15.78%	72.18%	N/A	N/A
	Task 10	4.04%	12.41%	28.49%	34.02%	21.04%
	Task 11	4.04%	12.41%	28.49%	34.02%	21.04%
Task 12	0.77%	5.40%	29.26%	41.55%	23.02%	

* Task is shared between A and B/C.

Note that this table includes all tasks across tiers for this cluster.

Table 6.5.4.3H

DIF Analysis and Summary: Spek 4-5C S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	2	4	2	4
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.S45C_14502_Slp3_NewStudent_401_S401_Paper	AA	F	AA	O
2.S45C_14503_Slp5_NewStudent_401_S401_Paper	AA	F	AA	O
3.S45C_14737_LSp3_ElishaOtis_401_V1_S401_Paper	AA	M	AA	O
4.S45C_14738_LSp5_ElishaOtis_401_V1_S401_Paper	AA	M	AA	H
5.S45C_14743_MSp3_GrowingPlants_401_V2_S401_Paper	AA	F	AA	O
6.S45C_14744_MSp5_GrowingPlants_401_V2_S401_Paper	AA	F	AA	H

Note that the test form is shared between 4-5B and 4-5C.

Table 6.5.4.3I

Raw Score to Scale Score Conversion: Spek 4-5C S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
6	130^	20.47	156.53	197.47
7	190	19.60	170.40	209.60
8	203	18.72	184.28	221.72
9	214	17.84	196.16	231.84
10	225	16.96	208.04	241.96
11	234	16.67	217.33	250.67
12	244	16.38	227.62	260.38
13	253	16.38	236.62	269.38
14	262	16.67	245.33	278.67
15	272	17.26	254.74	289.26
16	283	17.84	265.16	300.84
17	294	18.72	275.28	312.72
18	306	19.30	286.70	325.30
19	319	19.01	299.99	338.01
20	331	18.72	312.28	349.72
21	343	18.13	324.87	361.13
22	354	17.84	336.16	371.84
23	365	17.55	347.45	382.55
24	375	17.55	357.45	392.55
25	386	18.13	367.87	404.13
26	398	19.01	378.99	417.01
27	411	20.47	390.53	431.47
28	424*	22.81	404.19	449.81
29	437*	26.32	425.68	478.32
30	450*	30.71	459.29	520.71

^ Truncated

* Adjusted for end of scale effect

Note that the test form is shared between 4-5B and 4-5C.

Table 6.5.4.3J

Raw Score to Proficiency Level Conversion: Spek 4-5C S401 Paper

Raw Score	Grade 4		Grade 5	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
6	1.0	0.1	1.0	0.1
7	1.5	0.0	1.4	0.0
8	1.6	0.1	1.5	0.0
9	1.7	0.0	1.6	0.0
10	1.8	0.1	1.7	0.0
11	1.9	0.2	1.8	0.1
12	1.9	0.4	1.8	0.4
13	2.1	0.6	1.9	0.5
14	2.3	1.3	2.0	0.9
15	2.5	2.1	2.3	1.4
16	2.7	3.1	2.5	2.1
17	3.0	3.8	2.8	3.0
18	3.2	6.4	3.0	5.5
19	3.5	6.2	3.3	5.3
20	3.7	7.4	3.6	6.7
21	4.0	8.3	3.8	7.5
22	4.2	8.6	4.0	8.6
23	4.4	8.7	4.2	8.1
24	4.6	10.0	4.4	9.9
25	4.8	6.0	4.6	6.9
26	5.0	5.8	4.8	7.1
27	5.3	5.6	5.1	6.4
28	5.7	5.1	5.4	6.7
29	6.0	4.3	5.8	5.8
30	6.0	5.8	6.0	7.0

Note that the test form is shared between 4-5B and 4-5C.

6.6 Grades: 6–8

6.6.1 Listening 6–8

6.6.1.1 Listening 6–8A

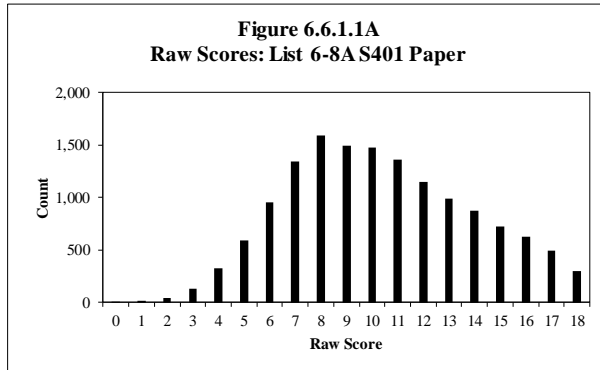


Table 6.6.1.1A

Raw Score Descriptive Statistics: List 6-8A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	4,997	0	18	10.20	3.55
7	4,788	0	18	10.31	3.55
8	4,695	0	18	10.41	3.58
Total	14,480	0	18	10.31	3.56

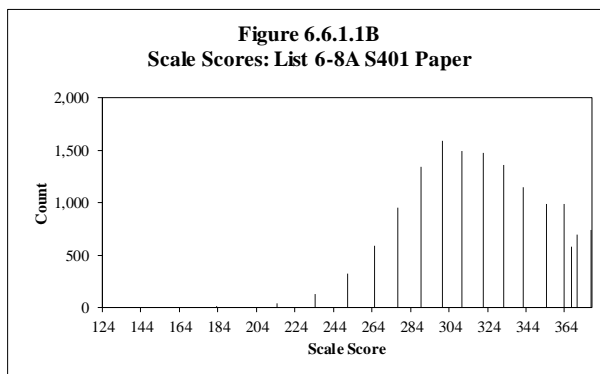


Table 6.6.1.1B

Scale Score Descriptive Statistics: List 6-8A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	4,997	124	363	319.31	33.94
7	4,788	128	370	321.58	35.56
8	4,695	132	377	323.55	36.82
Total	14,480	124	377	321.43	35.47

Note: Scale scores capped at proficiency level 4.0

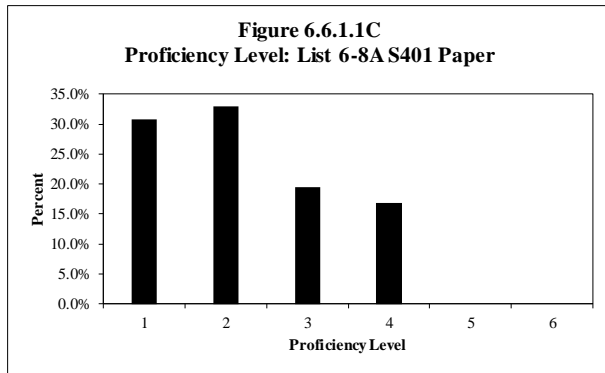


Table 6.6.1.1C

Proficiency Level Distribution: List 6-8A S401 Paper

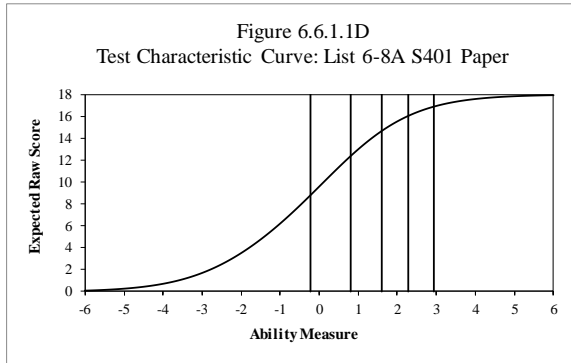
Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	1,252	25.1%	1,609	33.6%	1,607	34.2%	4,468	30.9%
2	1,538	30.8%	1,479	30.9%	1,747	37.2%	4,764	32.9%
3	1,217	24.4%	1,000	20.9%	599	12.8%	2,816	19.4%
4	990	19.8%	700	14.6%	742	15.8%	2,432	16.8%
5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total	4,997	100.0%	4,788	100.0%	4,695	100.0%	14,480	100.0%

Note: Scale scores capped at proficiency level 4.0

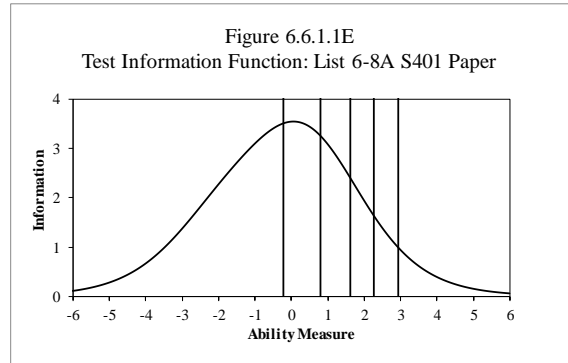
Table 6.6.1.1D
Scaling Equation for Listening

$$\text{Listening Scale Score} = (\text{Ability Measure in Logits} * 37.571) + 316.637$$

Table 6.6.1.1E
Equating Summary: List 6-8A S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 4.0



Note: Scale scores capped at proficiency level 4.0

Table 6.6.1.1F
Reliability: List 6-8A S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
14,480	18	0.734	1.836

Table 6.6.1.1G

Complete Item Analysis and Summary: List 6-8A S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	-0.26	1.00	0.99
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.L68A_9650_SIp1_PictureDictionary_302_S401_Paper	-2.20	0.98	0.95
2.L68A_9651_SIp2_PictureDictionary_302_S401_Paper	-1.87	0.91	0.78
3.L68A_9652_SIp3_PictureDictionary_302_S401_Paper	0.49	1.10	1.13
4.L68A_10728_LAp1_FirstCorn_302_S401_Paper	0.31	1.07	1.08
5.L68A_10729_LAp2_FirstCorn_302_S401_Paper	-0.03	0.86	0.80
6.L68A_10730_LAp3_FirstCorn_302_S401_Paper	0.95	1.01	1.02
7.L68A_7738_MAp1_BookGenres_203_S401_Paper	-2.29	0.96	0.83
8.L68A_7739_MAp2_BookGenres_203_S401_Paper	-0.20	0.98	0.99
9.L68A_7740_MAp3_BookGenres_203_S401_Paper	-0.13	1.10	1.20
10.L68A_6797_SCp1_SoilTools_203_S401_Paper	-0.72	0.90	0.85
11.L68A_6798_SCp2_SoilTools_203_S401_Paper	-1.64	0.88	0.72
12.L68A_6799_SCp3_SoilTools_203_S401_Paper	1.29	1.05	1.08
13.L68A_10665_SSp2_IronValley_302_S401_Paper	-0.06	0.97	0.95
14.L68A_10666_SSp3_IronValley_302_S401_Paper	0.31	1.07	1.09
15.L68A_10667_SSp4_IronValley_302_S401_Paper	0.44	1.02	1.03
16.L68A_9757_SIp2_Auditions_302_S401_Paper	-1.54	0.99	0.99
17.L68A_9758_SIp3_Auditions_302_S401_Paper	1.38	1.07	1.19
18.L68A_9759_SIp4_Auditions_302_S401_Paper	0.80	1.05	1.08

* No equating was performed for S303 and S401. Information on anchored items and their P-values can be found in S302 Annual Technical Report, Table H.

Table 6.6.1.1H

DIF Analysis and Summary: List 6-8A S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	8	10	10	7
B	0	0	0	1
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.L68A_9650_SIp1_PictureDictionary_302_S401_Paper	A	F	A	H
2.L68A_9651_SIp2_PictureDictionary_302_S401_Paper	A	F	A	O
3.L68A_9652_SIp3_PictureDictionary_302_S401_Paper	A	M	A	H
4.L68A_10728_LAp1_FirstCorn_302_S401_Paper	A	M	A	O
5.L68A_10729_LAp2_FirstCorn_302_S401_Paper	A	M	A	O
6.L68A_10730_LAp3_FirstCorn_302_S401_Paper	A	M	A	O
7.L68A_7738_MAp1_BookGenres_203_S401_Paper	A	F	A	H
8.L68A_7739_MAp2_BookGenres_203_S401_Paper	A	F	A	H
9.L68A_7740_MAp3_BookGenres_203_S401_Paper	A	F	A	H
10.L68A_6797_SCP1_SoilTools_203_S401_Paper	A	M	B	O
11.L68A_6798_SCP2_SoilTools_203_S401_Paper	A	F	A	H
12.L68A_6799_SCP3_SoilTools_203_S401_Paper	A	M	A	H
13.L68A_10665_SSp2_IronValley_302_S401_Paper	A	M	A	H
14.L68A_10666_SSp3_IronValley_302_S401_Paper	A	F	A	O
15.L68A_10667_SSp4_IronValley_302_S401_Paper	A	M	A	H
16.L68A_9757_SIp2_Auditions_302_S401_Paper	A	F	A	O
17.L68A_9758_SIp3_Auditions_302_S401_Paper	A	F	A	H
18.L68A_9759_SIp4_Auditions_302_S401_Paper	A	F	A	O

Table 6.6.1.11

Raw Score to Scale Score Conversion: List 6-8A S401 Paper

Raw Score	Scale Score			CSEM	Low Bound	High Bound
	Grade 6	Grade 7	Grade 8			
0	124^	128^	132^	71.76	100.00^	205.76
1	183	183	183	40.03	142.97	223.03
2	214	214	214	30.05	183.95	244.05
3	234	234	234	25.95	208.05	259.95
4	251	251	251	23.69	227.31	274.69
5	265	265	265	22.25	242.75	287.25
6	277	277	277	21.28	255.72	298.28
7	289	289	289	20.59	268.41	309.59
8	300	300	300	20.14	279.86	320.14
9	310	310	310	19.89	290.11	329.89
10	321	321	321	19.85	301.15	340.85
11	332	332	332	20.03	311.97	352.03
12	342	342	342	20.49	321.51	362.49
13	354	354	354	21.30	332.70	375.30
14	363*	367	367	22.65*	344.34*	389.65*
15		370**	377***	24.04****	357.95*****	406.04*****
16						
17						
18						

^ Truncated

* Applies to all capped grade 6 scores

** Applies to all capped grade 7 scores

*** Applies to all capped grade 8 scores

**** Applies to all capped grade 7 and 8 scores

Table 6.6.1.1J

Raw Score to Proficiency Level Conversion: List 6-8A S401 Paper

Raw Score	Grade 6		Grade 7		Grade 8	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	0.0	1.0	0.0	1.0	0.1
1	1.3	0.1	1.3	0.2	1.2	0.0
2	1.5	0.2	1.4	0.4	1.4	0.3
3	1.6	1.0	1.6	0.9	1.5	0.8
4	1.7	2.6	1.7	2.1	1.6	2.0
5	1.8	4.4	1.7	4.2	1.7	3.7
6	1.9	7.1	1.8	6.0	1.8	6.7
7	1.9	9.7	1.9	9.1	1.8	9.0
8	2.1	10.7	1.9	10.7	1.9	11.7
9	2.4	10.1	2.2	10.9	2.0	9.9
10	2.7	10.0	2.5	10.5	2.3	10.0
11	3.0	9.1	2.7	9.4	2.6	9.7
12	3.3	8.1	3.0	8.1	2.8	7.6
13	3.7	7.1	3.4	6.7	3.2	6.7
14	4.0*	5.9	3.9	6.1	3.6	6.1
15	4.0*	4.8	4.0*	5.0	4.0*	5.2
16	4.0*	4.0	4.0*	4.4	4.0*	4.6
17	4.0*	3.3	4.0*	3.3	4.0*	3.6
18	4.0*	1.8	4.0*	1.9	4.0*	2.4

* Capped

6.6.1.2 Listening 6–8B

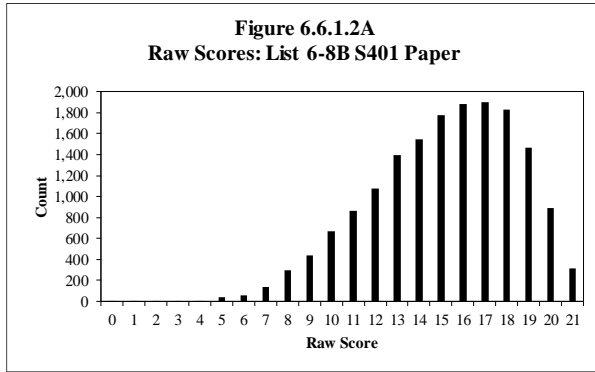


Table 6.6.1.2A

Raw Score Descriptive Statistics: List 6-8B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	5,469	0	21	14.88	3.23
7	5,706	1	21	15.26	3.24
8	5,442	2	21	15.23	3.42
Total	16,617	0	21	15.12	3.30

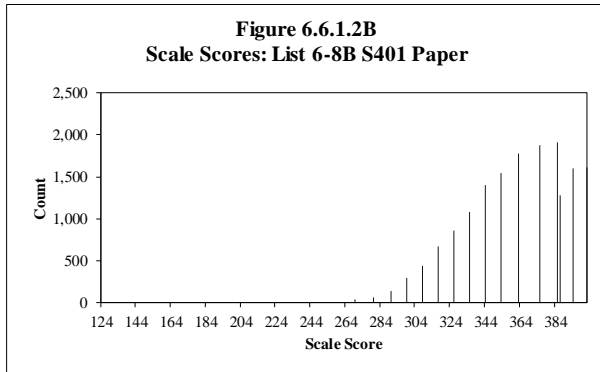


Table 6.6.1.2B

Scale Score Descriptive Statistics: List 6-8B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	5,469	124	385	359.28	26.66
7	5,706	193	394	364.77	28.68
8	5,442	223	402	366.44	32.30
Total	16,617	124	402	363.51	29.45

Note: Scale scores capped at proficiency level 5.0

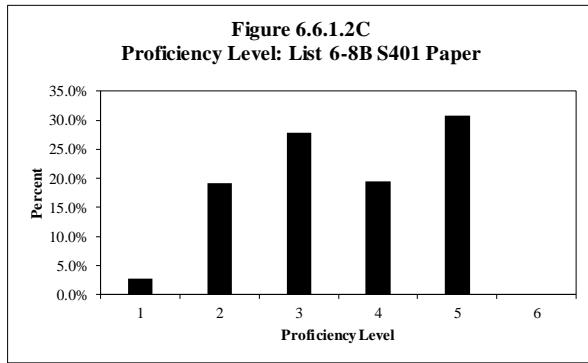


Table 6.6.1.2C
Proficiency Level Distribution: List 6-8B S401 Paper

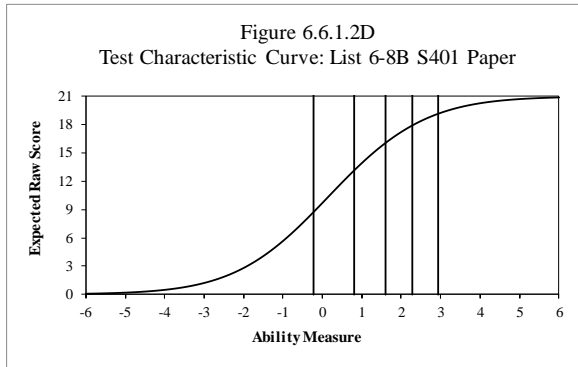
Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	90	1.6%	164	2.9%	194	3.6%	448	2.7%
2	783	14.3%	987	17.3%	1,422	26.1%	3,192	19.2%
3	1,422	26.0%	1,592	27.9%	1,613	29.6%	4,627	27.8%
4	1,266	23.1%	1,361	23.9%	603	11.1%	3,230	19.4%
5	1,908	34.9%	1,602	28.1%	1,610	29.6%	5,120	30.8%
6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total	5,469	100.0%	5,706	100.0%	5,442	100.0%	16,617	100.0%

Note: Scale scores capped at proficiency level 5.0

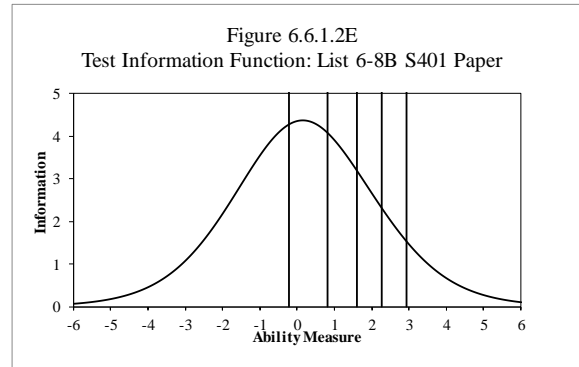
Table 6.6.1.2D
Scaling Equation for Listening

$$\text{Listening Scale Score} = (\text{Ability Measure in Logits} * 37.571) + 316.637$$

Table 6.6.1.2E
Equating Summary: List 6-8B S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 5.0



Note: Scale scores capped at proficiency level 5.0

Table 6.6.1.2F
Reliability: List 6-8B S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
16,617	21	0.682	1.861

Table 6.6.1.2G

Complete Item Analysis and Summary: List 6-8B S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	0.14	1.00	0.98
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.L68B_10005_SIp2_NationalPark_302_S401_Paper	-1.55	0.93	0.76
2.L68B_10006_SIp3_NationalPark_302_S401_Paper	0.67	1.04	1.05
3.L68B_10007_SIp4_NationalPark_302_S401_Paper	-0.33	0.98	0.93
4.L68B_10670_LAp2_MadamWalker_302_S401_Paper	-0.36	0.94	0.86
5.L68B_10673_LAp3_MadamWalker_302_S401_Paper	-0.72	0.97	0.95
6.L68B_10676_LAp4_MadamWalker_302_S401_Paper	2.30	1.18	1.32
7.L68B_7205_MAp2_RecyclingCans_203_S401_Paper	-1.84	1.01	1.08
8.L68B_7206_MAp3_RecyclingCans_203_S401_Paper	0.70	1.03	1.02
9.L68B_7207_MAp4_RecyclingCans_203_S401_Paper	0.18	1.01	0.99
10.L68B_6959_SCP2_Flowers_203_S401_Paper	-0.46	0.99	0.95
11.L68B_6960_SCP3_Flowers_203_S401_Paper	1.79	1.11	1.15
12.L68B_7068_SCP4_Flowers_203_S401_Paper	0.78	1.02	0.98
13.L68B_10665_SSp2_IronValley_302_S401_Paper	-0.32	0.92	0.85
14.L68B_10666_SSp3_IronValley_302_S401_Paper	0.31	0.98	0.96
15.L68B_10667_SSp4_IronValley_302_S401_Paper	0.44	0.99	0.96
16.L68B_10671_LAp3_FoxSavesPeople_302_S401_Paper	0.29	0.92	0.87
17.L68B_10678_LAp4_FoxSavesPeople_302_S401_Paper	-0.82	0.90	0.76
18.L68B_10680_LAp5_FoxSavesPeople_302_S401_Paper	-0.41	0.92	0.82
19.L68B_10352_MAp3_DrinkingWater_302_S401_Paper	-0.33	1.07	1.28
20.L68B_10353_MAp4_DrinkingWater_302_S401_Paper	1.88	1.08	1.11
21.L68B_10354_MAp5_DrinkingWater_302_S401_Paper	0.81	1.00	0.97

* No equating was performed for S303 and S401. Information on anchored items and their P-values can be found in S302 Annual Technical Report, Table H.

Table 6.6.1.2H

DIF Analysis and Summary: List 6-8B S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	10	11	11	9
B	0	0	0	1
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.L68B_10005_SIp2_NationalPark_302_S401_Paper	A	F	A	O
2.L68B_10006_SIp3_NationalPark_302_S401_Paper	A	F	A	H
3.L68B_10007_SIp4_NationalPark_302_S401_Paper	A	M	A	H
4.L68B_10670_LAp2_MadamWalker_302_S401_Paper	A	F	A	H
5.L68B_10673_LAp3_MadamWalker_302_S401_Paper	A	F	A	H
6.L68B_10676_LAp4_MadamWalker_302_S401_Paper	A	F	A	H
7.L68B_7205_MAp2_RecyclingCans_203_S401_Paper	A	M	A	O
8.L68B_7206_MAp3_RecyclingCans_203_S401_Paper	A	F	A	H
9.L68B_7207_MAp4_RecyclingCans_203_S401_Paper	A	F	A	O
10.L68B_6959_SCP2_Flowers_203_S401_Paper	A	M	B	O
11.L68B_6960_SCP3_Flowers_203_S401_Paper	A	M	A	O
12.L68B_7068_SCP4_Flowers_203_S401_Paper	A	M	A	H
13.L68B_10665_SSp2_IronValley_302_S401_Paper	A	M	A	O
14.L68B_10666_SSp3_IronValley_302_S401_Paper	A	M	A	O
15.L68B_10667_SSp4_IronValley_302_S401_Paper	A	M	A	H
16.L68B_10671_LAp3_FoxSavesPeople_302_S401_Paper	A	M	A	O
17.L68B_10678_LAp4_FoxSavesPeople_302_S401_Paper	A	F	A	O
18.L68B_10680_LAp5_FoxSavesPeople_302_S401_Paper	A	M	A	O
19.L68B_10352_MAp3_DrinkingWater_302_S401_Paper	A	F	A	H
20.L68B_10353_MAp4_DrinkingWater_302_S401_Paper	A	F	A	H
21.L68B_10354_MAp5_DrinkingWater_302_S401_Paper	A	F	A	H

Table 6.6.1.21

Raw Score to Scale Score Conversion: List 6-8B S401 Paper

Raw Score	Scale Score			CSEM	Low Bound	High Bound	
	Grade 6	Grade 7	Grade 8				
0	124^	128^	132^	82.66	100.00^	227.66	
1	193	193	193	39.42	153.58	232.42	
2	223	223	223	29.12	193.88	252.12	
3	242	242	242	24.78	217.22	266.78	
4	257	257	257	22.32	234.68	279.32	
5	269	269	269	20.76	248.24	289.76	
6	280	280	280	19.71	260.29	299.71	
7	290	290	290	19.00	271.00	309.00	
8	299	299	299	18.52	280.48	317.52	
9	308	308	308	18.24	289.76	326.24	
10	317	317	317	18.12	298.88	335.12	
11	326	326	326	18.15	307.85	344.15	
12	335	335	335	18.33	316.67	353.33	
13	344	344	344	18.68	325.32	362.68	
14	353	353	353	19.22	333.78	372.22	
15	363	363	363	20.00	343.00	383.00	
16	375	375	375	21.11	353.89	396.11	
17	385*	387	387	22.71*	364.28*	409.71*	
18		394**	402	402	25.18**	376.81**	427.18**
19			402***	402***	25.17***	396.82***	447.17***
20				402***	25.17***	396.82***	447.17***
21				402***	25.17***	396.82***	447.17***

^ Truncated

* Applies to all capped grade 6 scores

** Applies to all capped grade 7 scores

*** Applies to all capped grade 8 scores

Table 6.6.1.2J

Raw Score to Proficiency Level Conversion: List 6-8B S401 Paper

Raw Score	Grade 6		Grade 7		Grade 8	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	0.0	1.0	0.0	1.0	0.0
1	1.4	0.0	1.3	0.0	1.3	0.0
2	1.5	0.0	1.5	0.0	1.5	0.1
3	1.6	0.0	1.6	0.1	1.6	0.1
4	1.7	0.1	1.7	0.1	1.7	0.0
5	1.8	0.3	1.8	0.2	1.7	0.2
6	1.9	0.3	1.8	0.2	1.8	0.5
7	1.9	1.0	1.9	0.7	1.8	0.9
8	2.1	1.9	1.9	1.6	1.9	1.8
9	2.3	2.9	2.1	2.5	2.0	2.6
10	2.6	4.1	2.3	3.7	2.2	4.4
11	2.8	5.5	2.6	5.0	2.4	5.1
12	3.0	7.3	2.8	6.1	2.6	6.0
13	3.3	9.1	3.1	8.1	2.9	8.0
14	3.6	9.6	3.4	9.6	3.2	8.8
15	4.0	11.8	3.7	10.2	3.5	10.2
16	4.5	11.4	4.2	11.9	3.9	10.6
17	5.0*	11.3	4.7	12.0	4.4	11.1
18	5.0*	10.5	5.0*	11.4	5.0	11.1
19	5.0*	7.8	5.0*	9.1	5.0*	9.6
20	5.0*	4.2	5.0*	5.8	5.0*	6.2
21	5.0*	1.2	5.0*	1.8	5.0*	2.7

* Capped

6.6.1.3 Listening 6–8C

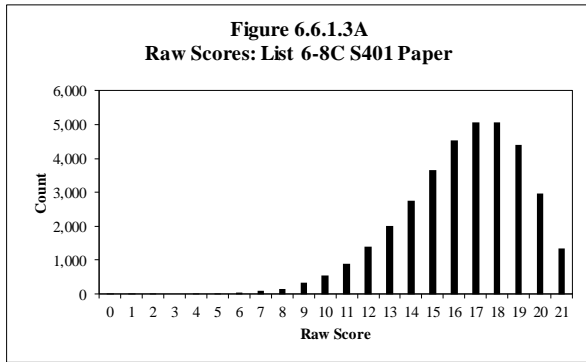


Table 6.6.1.3A

Raw Score Descriptive Statistics: List 6-8C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	13,476	0	21	15.66	2.82
7	10,948	0	21	16.47	2.78
8	10,832	4	21	17.17	2.63
Total	35,256	0	21	16.38	2.82

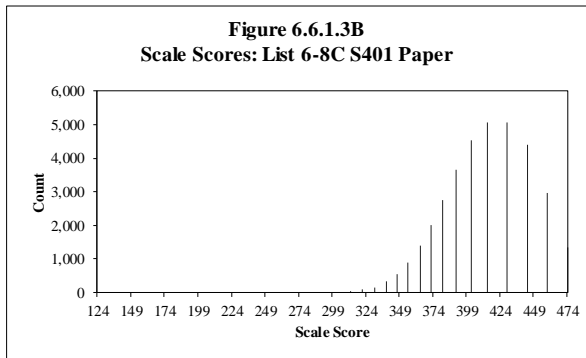


Table 6.6.1.3B

Scale Score Descriptive Statistics: List 6-8C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	13,476	124	474	402.36	31.83
7	10,948	128	474	412.03	32.72
8	10,832	289	474	420.67	32.22
Total	35,256	124	474	410.99	33.11

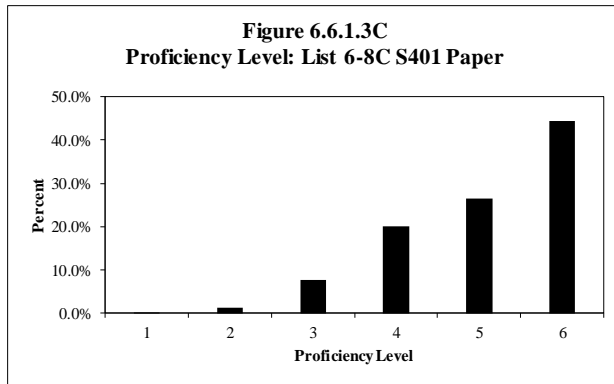


Table 6.6.1.3C

Proficiency Level Distribution: List 6-8C S401 Paper

Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	10	0.1%	14	0.1%	5	0.0%	29	0.1%
2	138	1.0%	194	1.8%	111	1.0%	443	1.3%
3	972	7.2%	793	7.2%	926	8.5%	2,691	7.6%
4	3,132	23.2%	2,475	22.6%	1,481	13.7%	7,088	20.1%
5	3,504	26.0%	3,057	27.9%	2,782	25.7%	9,343	26.5%
6	5,720	42.4%	4,415	40.3%	5,527	51.0%	15,662	44.4%
Total	13,476	100.0%	10,948	100.0%	10,832	100.0%	35,256	100.0%

Table 6.6.1.3D
Scaling Equation for Listening

$$\text{Listening Scale Score} = (\text{Ability Measure in Logits} * 37.571) + 316.637$$

Table 6.6.1.3E
Equating Summary: List 6-8C S401 Paper
Note: No equating was performed for S401.

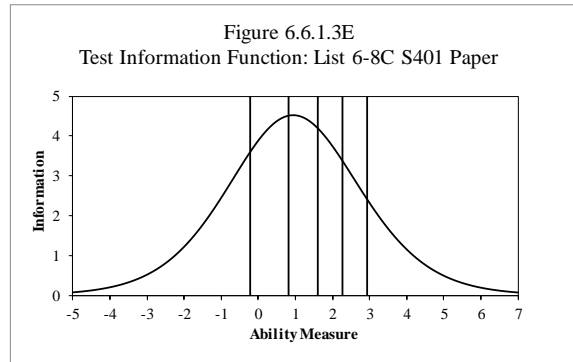
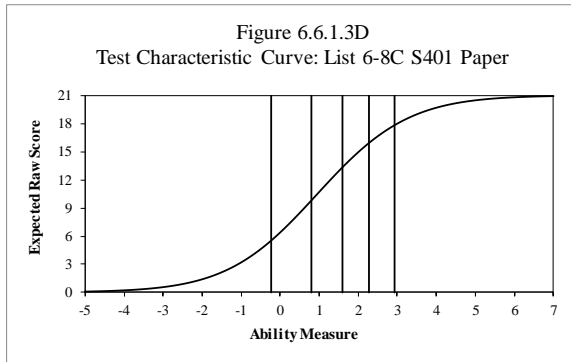


Table 6.6.1.3F
Reliability: List 6-8C S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
35,256	21	0.621	1.737

Table 6.6.1.3G

Complete Item Analysis and Summary: List 6-8C S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	1.00	1.00	0.98
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.L68C_10153_SIp3_ReadingAloud_302_S401_Paper	1.00	1.00	0.99
2.L68C_10154_SIp4_ReadingAloud_302_S401_Paper	0.66	0.99	0.97
3.L68C_10156_SIp5_ReadingAloud_302_S401_Paper	0.65	0.98	0.93
4.L68C_10806_LAp3_ManWithHat_302_S401_Paper	-0.42	0.97	0.86
5.L68C_10807_LAp4_ManWithHat_302_S401_Paper	-0.92	0.95	0.75
6.L68C_10808_LAp5_ManWithHat_302_S401_Paper	1.72	0.94	0.90
7.L68C_7700_MAp3_Birthdays_203_S401_Paper	1.84	1.12	1.17
8.L68C_7701_MAp4_Birthdays_203_S401_Paper	1.28	0.96	0.93
9.L68C_7702_MAp5_Birthdays_203_S401_Paper	1.33	1.03	1.08
10.L68C_7334_SCP3_MagnetElectric_203_S401_Paper	0.51	1.00	0.98
11.L68C_7335_SCP4_MagnetElectric_203_S401_Paper	1.69	1.02	1.02
12.L68C_7336_SCP5_MagnetElectric_203_S401_Paper	0.97	0.95	0.88
13.L68C_10720_SSp3_PayingTaxes_302_S401_Paper	0.51	0.96	0.87
14.L68C_10722_SSp4_PayingTaxes_302_S401_Paper	1.51	1.01	0.99
15.L68C_10724_SSp5_PayingTaxes_302_S401_Paper	3.14	1.10	1.16
16.L68C_10699_LAp3_Quatrain_302_S401_Paper	0.79	1.04	1.09
17.L68C_10702_LAp4_Quatrain_302_S401_Paper	0.40	0.94	0.82
18.L68C_10704_LAp5_Quatrain_302_S401_Paper	0.61	1.00	1.00
19.L68C_10352_MAp3_DrinkingWater_302_S401_Paper	0.14	1.04	1.18
20.L68C_10353_MAp4_DrinkingWater_302_S401_Paper	2.33	1.01	1.01
21.L68C_10354_MAp5_DrinkingWater_302_S401_Paper	1.27	0.96	0.90

* No equating was performed for S303 and S401. Information on anchored items and their P-values can be found in S302 Annual Technical Report, Table H.

Table 6.6.1.3H

DIF Analysis and Summary: List 6-8C S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	12	9	11	10
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.L68C_10153_SIp3_ReadingAloud_302_S401_Paper	A	F	A	H
2.L68C_10154_SIp4_ReadingAloud_302_S401_Paper	A	M	A	H
3.L68C_10156_SIp5_ReadingAloud_302_S401_Paper	A	M	A	O
4.L68C_10806_LAp3_ManWithHat_302_S401_Paper	A	M	A	O
5.L68C_10807_LAp4_ManWithHat_302_S401_Paper	A	M	A	O
6.L68C_10808_LAp5_ManWithHat_302_S401_Paper	A	F	A	H
7.L68C_7700_MAp3_Birthdays_203_S401_Paper	A	M	A	H
8.L68C_7701_MAp4_Birthdays_203_S401_Paper	A	F	A	O
9.L68C_7702_MAp5_Birthdays_203_S401_Paper	A	F	A	H
10.L68C_7334_SCP3_MagnetElectric_203_S401_Paper	A	M	A	H
11.L68C_7335_SCP4_MagnetElectric_203_S401_Paper	A	M	A	H
12.L68C_7336_SCP5_MagnetElectric_203_S401_Paper	A	M	A	O
13.L68C_10720_SSp3_PayingTaxes_302_S401_Paper	A	M	A	O
14.L68C_10722_SSp4_PayingTaxes_302_S401_Paper	A	M	A	O
15.L68C_10724_SSp5_PayingTaxes_302_S401_Paper	A	M	A	O
16.L68C_10699_LAp3_Quatrain_302_S401_Paper	A	F	A	H
17.L68C_10702_LAp4_Quatrain_302_S401_Paper	A	F	A	H
18.L68C_10704_LAp5_Quatrain_302_S401_Paper	A	F	A	H
19.L68C_10352_MAp3_DrinkingWater_302_S401_Paper	A	F	A	O
20.L68C_10353_MAp4_DrinkingWater_302_S401_Paper	A	M	A	H
21.L68C_10354_MAp5_DrinkingWater_302_S401_Paper	A	F	A	O

Table 6.6.1.31

Raw Score to Scale Score Conversion: List 6-8C S401 Paper

Raw Score	Scale Score			CSEM	Low Bound	High Bound
	Grade 6	Grade 7	Grade 8			
0	124^	128^	132^	128.12	100.00^	307.12
1	227	227	227	39.23	187.77	266.23
2	256	256	256	28.87	227.13	284.87
3	275	275	275	24.47	250.53	299.47
4	289	289	289	21.98	267.02	310.98
5	301	301	301	20.39	280.61	321.39
6	312	312	312	19.32	292.68	331.32
7	321	321	321	18.59	302.41	339.59
8	330	330	330	18.09	311.91	348.09
9	339	339	339	17.80	321.20	356.80
10	347	347	347	17.66	329.34	364.66
11	355	355	355	17.68	337.32	372.68
12	364	364	364	17.85	346.15	381.85
13	372	372	372	18.19	353.81	390.19
14	381	381	381	18.72	362.28	399.72
15	391	391	391	19.51	371.49	410.51
16	402	402	402	20.63	381.37	422.63
17	414	414	414	22.28	391.72	436.28
18	429	429	429	24.83	404.17	453.83
19	444*	444*	444*	28.55	419.45	476.55
20	459*	459*	459*	32.69	445.31	510.69
21	474*	474*	474*	38.32	487.68	564.32

^ Truncated

* Adjusted for end of scale effect

Table 6.6.1.3J

Raw Score to Proficiency Level Conversion: List 6-8C S401 Paper

Raw Score	Grade 6		Grade 7		Grade 8	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	0.0	1.0	0.0	1.0	0.0
1	1.6	0.0	1.5	0.0	1.5	0.0
2	1.7	0.0	1.7	0.0	1.7	0.0
3	1.8	0.0	1.8	0.0	1.8	0.0
4	1.9	0.0	1.9	0.0	1.8	0.0
5	2.1	0.1	1.9	0.1	1.9	0.0
6	2.4	0.1	2.2	0.1	2.1	0.1
7	2.7	0.3	2.5	0.3	2.3	0.1
8	2.9	0.5	2.7	0.5	2.5	0.3
9	3.2	1.3	2.9	0.9	2.7	0.5
10	3.4	2.4	3.2	1.3	3.0	0.8
11	3.7	3.5	3.5	2.4	3.2	1.4
12	4.0	5.6	3.8	3.6	3.5	2.3
13	4.4	7.6	4.0	5.1	3.8	4.0
14	4.8	10.1	4.4	7.4	4.1	5.4
15	5.2	12.2	4.8	10.1	4.5	8.3
16	5.6	13.8	5.3	13.2	5.0	11.3
17	6.0	14.2	5.7	14.7	5.4	14.4
18	6.0	12.5	6.0	15.3	6.0	15.6
19	6.0	9.2	6.0	12.8	6.0	16.2
20	6.0	5.0	6.0	8.5	6.0	12.7
21	6.0	1.6	6.0	3.7	6.0	6.5

6.6.2 Reading 6–8

6.6.2.1 Reading 6–8A

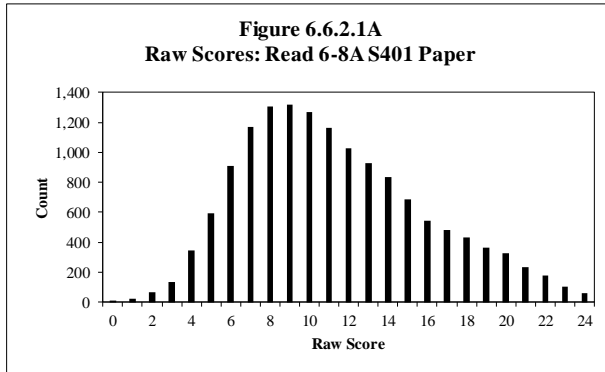


Table 6.6.2.1A

Raw Score Descriptive Statistics: Read 6-8A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	4,996	0	24	10.76	4.42
7	4,784	0	24	11.25	4.55
8	4,697	0	24	11.83	4.79
Total	14,477	0	24	11.27	4.61

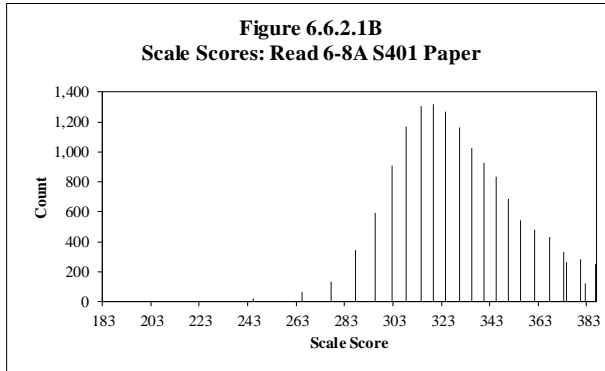


Table 6.6.2.1B

Scale Score Descriptive Statistics: Read 6-8A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	4,996	183	373	327.10	23.79
7	4,784	191	380	330.03	24.55
8	4,697	200	386	333.49	26.30
Total	14,477	183	386	330.14	25.01

Note: Scale scores capped at proficiency level 4.0

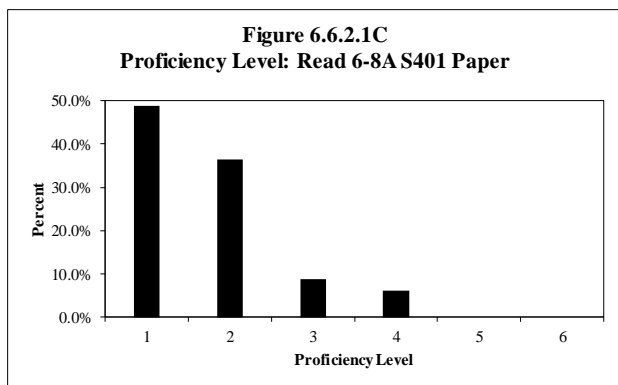


Table 6.6.2.1C

Proficiency Level Distribution: Read 6-8A S401 Paper

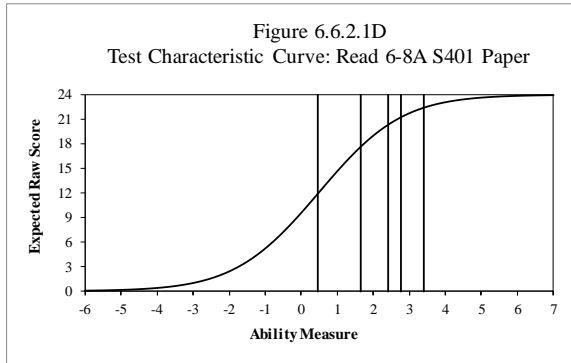
Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	2,241	44.9%	2,347	49.1%	2,489	53.0%	7,077	48.9%
2	1,993	39.9%	1,767	36.9%	1,506	32.1%	5,266	36.4%
3	429	8.6%	388	8.1%	448	9.5%	1,265	8.7%
4	333	6.7%	282	5.9%	254	5.4%	869	6.0%
5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total	4,996	100.0%	4,784	100.0%	4,697	100.0%	14,477	100.0%

Note: Scale scores capped at proficiency level 4.0

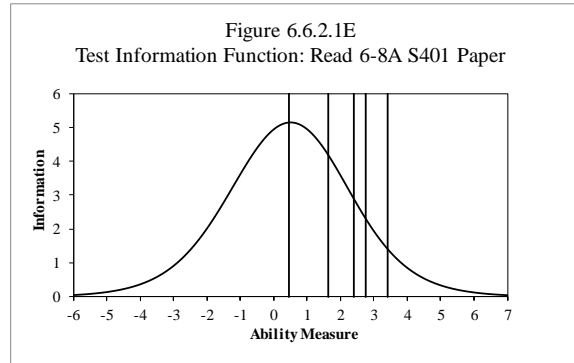
Table 6.6.2.1D
Scaling Equation for Reading

$$\text{Reading Scale Score} = (\text{Ability Measure in Logits} * 26.000) + 323.272$$

Table 6.6.2.1E
Equating Summary: Read 6-8A S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 4.0



Note: Scale scores capped at proficiency level 4.0

Table 6.6.2.1F
Reliability: Read 6-8A S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
14,477	24	0.777	2.174

Table 6.6.2.1G

Complete Item Analysis and Summary: Read 6-8A S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	0.43	1.00	1.01
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.R68A_8246_SIp1_KWLChart_301_S401_Paper	-0.32	0.95	0.91
2.R68A_8247_SIp2_KWLChart_301_S401_Paper	-0.21	1.05	1.11
3.R68A_8248_SIp3_KWLChart_301_S401_Paper	1.40	1.32	1.49
4.R68A_11103_LAp1_DustBowlGirl_303_S401_Paper	-0.37	0.91	0.85
5.R68A_11104_LAp2_DustBowlGirl_303_S401_Paper	-0.15	0.93	0.90
6.R68A_11105_LAp3_DustBowlGirl_303_S401_Paper	1.55	1.00	1.07
7.R68A_8073_MAp1_Recipe_301_S401_Paper	-1.08	0.87	0.74
8.R68A_8074_MAp2_Recipe_301_S401_Paper	0.45	1.03	1.04
9.R68A_8075_MAp3_Recipe_301_S401_Paper	1.59	1.17	1.28
10.R68A_10960_SCP1_SoundProperties_303_S401_Paper	0.20	0.93	0.90
11.R68A_10961_SCP2_SoundProperties_303_S401_Paper	0.62	1.00	1.00
12.R68A_10962_SCP3_SoundProperties_303_S401_Paper	1.12	0.93	0.94
13.R68A_6772_SSp1_Uruguay_203_S401_Paper	-0.92	0.87	0.77
14.R68A_6774_SSp2_Uruguay_203_S401_Paper	0.20	0.95	0.91
15.R68A_6775_SSp3_Uruguay_203_S401_Paper	0.80	1.02	1.02
16.R68A_8347_SIp2_CreatingAFormPoem_301_S401_Paper	0.22	0.93	0.90
17.R68A_8350_SIp3_CreatingAFormPoem_301_S401_Paper	1.67	1.03	1.07
18.R68A_8404_SIp4_CreatingAFormPoem_301_S401_Paper	1.26	1.10	1.15
19.R68A_9715_LAp1_GoldRush_303_S401_Paper	0.61	0.87	0.83
20.R68A_9716_LAp2_GoldRush_303_S401_Paper	-1.09	0.94	0.86
21.R68A_9717_LAp3_GoldRush_303_S401_Paper	1.43	1.25	1.44
22.R68A_9358_MAp1_Trash_301_S401_Paper	-0.21	0.89	0.85
23.R68A_9359_MAp2_Trash_301_S401_Paper	0.50	0.96	0.94
24.R68A_9360_MAp3_Trash_301_S401_Paper	0.94	1.16	1.20

* No equating was performed for S401. Information on anchored items and their P-values can be found in S303 Annual Technical Report, Table H.

Table 6.6.2.1H

DIF Analysis and Summary: Read 6-8A S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	12	12	14	8
B	0	0	0	2
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.R68A_8246_SIp1_KWLChart_301_S401_Paper	A	F	A	H
2.R68A_8247_SIp2_KWLChart_301_S401_Paper	A	F	A	H
3.R68A_8248_SIp3_KWLChart_301_S401_Paper	A	M	A	H
4.R68A_11103_LAp1_DustBowlGirl_303_S401_Paper	A	M	A	O
5.R68A_11104_LAp2_DustBowlGirl_303_S401_Paper	A	M	B	O
6.R68A_11105_LAp3_DustBowlGirl_303_S401_Paper	A	M	B	O
7.R68A_8073_MAp1_Recipe_301_S401_Paper	A	M	A	H
8.R68A_8074_MAp2_Recipe_301_S401_Paper	A	F	A	O
9.R68A_8075_MAp3_Recipe_301_S401_Paper	A	F	A	O
10.R68A_10960_SCP1_SoundProperties_303_S401_Paper	A	M	A	O
11.R68A_10961_SCP2_SoundProperties_303_S401_Paper	A	M	A	H
12.R68A_10962_SCP3_SoundProperties_303_S401_Paper	A	M	A	H
13.R68A_6772_SSp1_Uruguay_203_S401_Paper	A	M	A	H
14.R68A_6774_SSp2_Uruguay_203_S401_Paper	A	F	A	H
15.R68A_6775_SSp3_Uruguay_203_S401_Paper	A	F	A	H
16.R68A_8347_SIp2_CreatingAFormPoem_301_S401_Paper	A	F	A	O
17.R68A_8350_SIp3_CreatingAFormPoem_301_S401_Paper	A	F	A	H
18.R68A_8404_SIp4_CreatingAFormPoem_301_S401_Paper	A	F	A	H
19.R68A_9715_LAp1_GoldRush_303_S401_Paper	A	M	A	O
20.R68A_9716_LAp2_GoldRush_303_S401_Paper	A	M	A	O
21.R68A_9717_LAp3_GoldRush_303_S401_Paper	A	F	A	H
22.R68A_9358_MAp1_Trash_301_S401_Paper	A	F	A	O
23.R68A_9359_MAp2_Trash_301_S401_Paper	A	M	A	H
24.R68A_9360_MAp3_Trash_301_S401_Paper	A	F	A	H

Table 6.6.2.11

Raw Score to Scale Score Conversion: Read 6-8A S401 Paper

Raw Score	Scale Score			CSEM	Low Bound	High Bound	
	Grade 6	Grade 7	Grade 8				
0	183^	191^	200^	60.58	151.42	272.58	
1	245	245	245	26.96	218.04	271.96	
2	265	265	265	19.75	245.25	284.75	
3	277	277	277	16.69	260.31	293.69	
4	287	287	287	14.95	272.05	301.95	
5	295	295	295	13.82	281.18	308.82	
6	302	302	302	13.05	288.95	315.05	
7	308	308	308	12.49	295.51	320.49	
8	314	314	314	12.09	301.91	326.09	
9	319	319	319	11.80	307.20	330.80	
10	324	324	324	11.61	312.39	335.61	
11	330	330	330	11.49	318.51	341.49	
12	335	335	335	11.45	323.55	346.45	
13	340	340	340	11.48	328.52	351.48	
14	345	345	345	11.57	333.43	356.57	
15	350	350	350	11.75	338.25	361.75	
16	355	355	355	12.01	342.99	367.01	
17	361	361	361	12.40	348.60	373.40	
18	367	367	367	12.94	354.06	379.94	
19	373*	374	374	13.69*	360.30*	387.69*	
20		380**	382	382	14.81**	367.18**	396.81**
21			386***	386***	15.60***	375.40***	406.60***
22							
23							
24							

^ Truncated

* Applies to all capped grade 6 scores

** Applies to all capped grade 7 scores

*** Applies to all capped grade 8 scores

Table 6.6.2.1J

Raw Score to Proficiency Level Conversion: Read 6-8A S401 Paper

Raw Score	Grade 6		Grade 7		Grade 8	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	0.1	1.0	0.0	1.0	0.0
1	1.4	0.2	1.3	0.1	1.3	0.1
2	1.5	0.6	1.5	0.4	1.4	0.3
3	1.6	1.1	1.6	1.0	1.5	0.6
4	1.7	2.7	1.6	2.3	1.6	2.2
5	1.8	4.6	1.7	3.9	1.7	3.8
6	1.8	7.3	1.8	6.1	1.7	5.4
7	1.8	8.9	1.8	8.4	1.8	6.9
8	1.9	9.6	1.8	9.0	1.8	8.5
9	1.9	9.9	1.9	9.0	1.8	8.3
10	2.0	8.7	1.9	8.8	1.9	8.7
11	2.2	7.8	2.0	8.1	1.9	8.1
12	2.4	6.8	2.1	7.3	2.0	7.2
13	2.5	6.7	2.3	6.5	2.1	6.0
14	2.7	5.3	2.5	6.0	2.3	5.9
15	2.9	4.6	2.6	5.0	2.4	4.7
16	3.1	3.0	2.8	4.0	2.6	4.3
17	3.4	3.0	3.0	3.1	2.8	3.9
18	3.7	2.6	3.3	2.7	3.0	3.6
19	4.0*	2.0	3.7	2.2	3.4	3.3
20	4.0*	2.0	4.0*	2.1	3.8	2.6
21	4.0*	1.3	4.0*	1.6	4.0*	2.0
22	4.0*	0.9	4.0*	1.1	4.0*	1.7
23	4.0*	0.3	4.0*	0.7	4.0*	1.1
24	4.0*	0.1	4.0*	0.5	4.0*	0.6

* Capped

6.6.2.2 Reading 6–8B

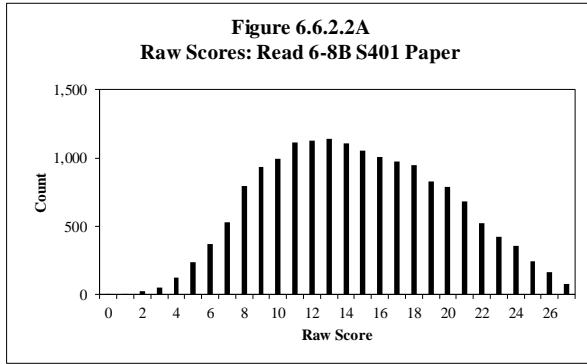


Table 6.6.2.2A

Raw Score Descriptive Statistics: Read 6-8B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	5,467	0	27	13.40	4.93
7	5,707	0	27	14.64	5.13
8	5,442	2	27	15.67	5.33
Total	16,616	0	27	14.57	5.21

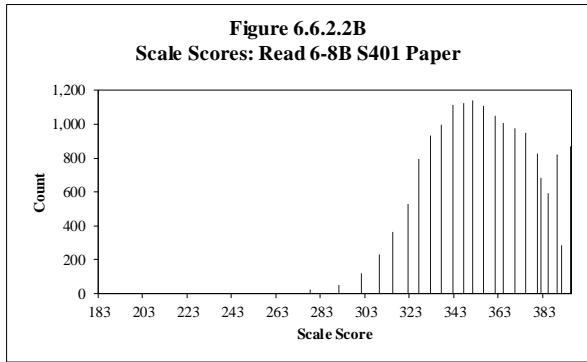


Table 6.6.2.2B

Scale Score Descriptive Statistics: Read 6-8B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	5,467	183	382	351.27	21.89
7	5,707	191	389	357.45	23.00
8	5,442	278	395	362.71	24.07
Total	16,616	183	395	357.14	23.46

Note: Scale scores capped at proficiency level 5.0

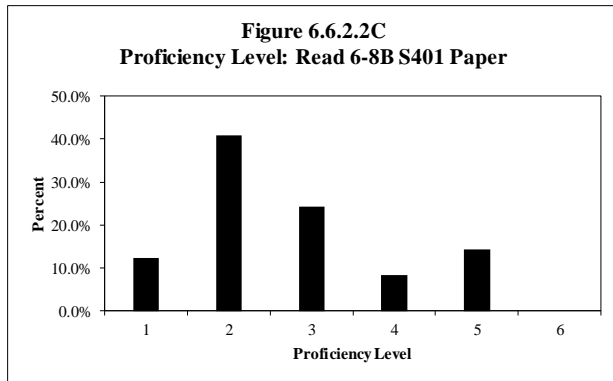


Table 6.6.2.2C
Proficiency Level Distribution: Read 6-8B S401 Paper

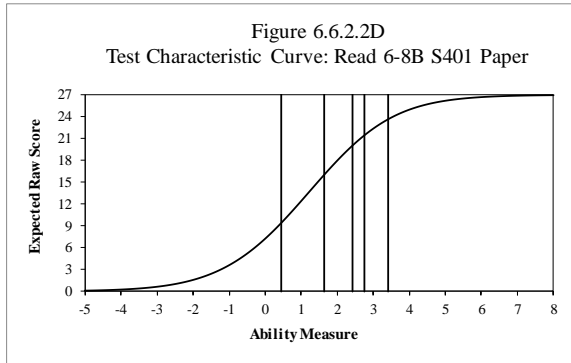
Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	606	11.1%	678	11.9%	756	13.9%	2,040	12.3%
2	2,325	42.5%	2,208	38.7%	2,250	41.3%	6,783	40.8%
3	1,325	24.2%	1,427	25.0%	1,281	23.5%	4,033	24.3%
4	527	9.6%	574	10.1%	286	5.3%	1,387	8.3%
5	684	12.5%	820	14.4%	869	16.0%	2,373	14.3%
6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total	5,467	100.0%	5,707	100.0%	5,442	100.0%	16,616	100.0%

Note: Scale scores capped at proficiency level 5.0

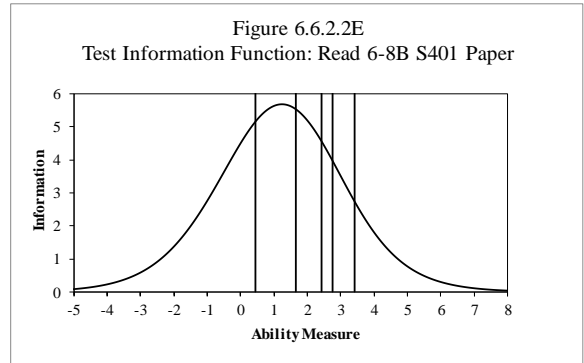
Table 6.6.2.2D
Scaling Equation for Reading

$\text{Reading Scale Score} = (\text{Ability Measure in Logits} * 26.000) + 323.272$
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Table 6.6.2.2E
Equating Summary: Read 6-8B S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 5.0



Note: Scale scores capped at proficiency level 5.0

Table 6.6.2.2F
Reliability: Read 6-8B S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
16,616	27	0.808	2.281

Table 6.6.2.2G

Complete Item Analysis and Summary: Read 6-8B S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	1.15	1.00	1.00
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.R68B_8347_SIp2_CreatingAFormPoem_301_S401_Paper	0.34	0.98	0.95
2.R68B_8350_SIp3_CreatingAFormPoem_301_S401_Paper	1.97	1.05	1.08
3.R68B_8404_SIp4_CreatingAFormPoem_301_S401_Paper	2.33	1.06	1.11
4.R68B_11085_LAp1_GoingToAmerica_303_S401_Paper	-0.79	1.00	0.98
5.R68B_11086_LAp2_GoingToAmerica_303_S401_Paper	0.07	0.97	0.95
6.R68B_11087_LAp3_GoingToAmerica_303_S401_Paper	0.85	0.93	0.91
7.R68B_8315_MAp2_MeasuringProducts_301_S401_Paper	1.20	1.02	1.03
8.R68B_8316_MAp3_MeasuringProducts_301_S401_Paper	2.53	1.07	1.12
9.R68B_8317_MAp4_MeasuringProducts_301_S401_Paper	2.30	1.09	1.21
10.R68B_11230_SCP2_CarbonCycle_303_S401_Paper	0.34	0.89	0.79
11.R68B_11231_SCP3_CarbonCycle_303_S401_Paper	1.11	0.88	0.83
12.R68B_11232_SCP4_CarbonCycle_303_S401_Paper	2.05	1.11	1.16
13.R68B_7019_SSp2_RockAndRoll_203_S401_Paper	1.62	1.11	1.15
14.R68B_7020_SSp3_RockAndRoll_203_S401_Paper	0.64	0.89	0.83
15.R68B_7021_SSp4_RockAndRoll_203_S401_Paper	0.88	0.99	0.99
16.R68B_9949_LAp2_SecretPassage_303_S401_Paper	-0.92	0.89	0.70
17.R68B_9950_LAp3_SecretPassage_303_S401_Paper	1.55	1.01	1.02
18.R68B_9951_LAp4_SecretPassage_303_S401_Paper	0.83	0.93	0.90
19.R68B_8888_MAp3_SoccerPercent_301_S401_Paper	0.71	0.96	0.93
20.R68B_8889_MAp4_SoccerPercent_301_S401_Paper	1.31	0.95	0.92
21.R68B_8890_MAp5_SoccerPercent_301_S401_Paper	2.15	1.24	1.33
22.R68B_9816_SCP2_HeatTransfer_303_S401_Paper	0.43	0.95	0.91
23.R68B_9817_SCP3_HeatTransfer_303_S401_Paper	1.56	1.08	1.10
24.R68B_9867_SCP4_HeatTransfer_303_S401_Paper	2.39	1.24	1.49
25.R68B_7077_SSp2_GreatInventions_203_S401_Paper	0.60	0.87	0.82
26.R68B_7078_SSp3_GreatInventions_203_S401_Paper	1.04	0.85	0.80
27.R68B_7079_SSp4_GreatInventions_203_S401_Paper	2.04	0.97	0.99

* No equating was performed for S401. Information on anchored items and their P-values can be found in S303 Annual Technical Report, Table H.

Table 6.6.2.2H

DIF Analysis and Summary: Read 6-8B S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	14	13	12	15
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.R68B_8347_SIp2_CreatingAFormPoem_301_S401_Paper	A	F	A	O
2.R68B_8350_SIp3_CreatingAFormPoem_301_S401_Paper	A	F	A	H
3.R68B_8404_SIp4_CreatingAFormPoem_301_S401_Paper	A	F	A	H
4.R68B_11085_LAp1_GoingToAmerica_303_S401_Paper	A	M	A	O
5.R68B_11086_LAp2_GoingToAmerica_303_S401_Paper	A	M	A	O
6.R68B_11087_LAp3_GoingToAmerica_303_S401_Paper	A	M	A	O
7.R68B_8315_MAp2_MeasuringProducts_301_S401_Paper	A	F	A	H
8.R68B_8316_MAp3_MeasuringProducts_301_S401_Paper	A	F	A	H
9.R68B_8317_MAp4_MeasuringProducts_301_S401_Paper	A	M	A	O
10.R68B_11230_SCP2_CarbonCycle_303_S401_Paper	A	M	A	O
11.R68B_11231_SCP3_CarbonCycle_303_S401_Paper	A	F	A	H
12.R68B_11232_SCP4_CarbonCycle_303_S401_Paper	A	M	A	H
13.R68B_7019_SSp2_RockAndRoll_203_S401_Paper	A	M	A	H
14.R68B_7020_SSp3_RockAndRoll_203_S401_Paper	A	M	A	H
15.R68B_7021_SSp4_RockAndRoll_203_S401_Paper	A	F	A	O
16.R68B_9949_LAp2_SecretPassage_303_S401_Paper	A	F	A	H
17.R68B_9950_LAp3_SecretPassage_303_S401_Paper	A	M	A	O
18.R68B_9951_LAp4_SecretPassage_303_S401_Paper	A	F	A	O
19.R68B_8888_MAp3_SoccerPercent_301_S401_Paper	A	F	A	O
20.R68B_8889_MAp4_SoccerPercent_301_S401_Paper	A	F	A	O
21.R68B_8890_MAp5_SoccerPercent_301_S401_Paper	A	M	A	H
22.R68B_9816_SCP2_HeatTransfer_303_S401_Paper	A	F	A	O
23.R68B_9817_SCP3_HeatTransfer_303_S401_Paper	A	M	A	O
24.R68B_9867_SCP4_HeatTransfer_303_S401_Paper	A	M	A	H
25.R68B_7077_SSp2_GreatInventions_203_S401_Paper	A	F	A	O
26.R68B_7078_SSp3_GreatInventions_203_S401_Paper	A	M	A	O
27.R68B_7079_SSp4_GreatInventions_203_S401_Paper	A	M	A	H

Table 6.6.2.21

Raw Score to Scale Score Conversion: Read 6-8B S401 Paper

Raw Score	Scale Score			CSEM	Low Bound	High Bound	
	Grade 6	Grade 7	Grade 8				
0	183^	191^	200^	77.74	147.26	302.74	
1	258	258	258	27.08	230.92	285.08	
2	278	278	278	19.86	258.14	297.86	
3	291	291	291	16.76	274.24	307.76	
4	301	301	301	14.96	286.04	315.96	
5	309	309	309	13.78	295.22	322.78	
6	315	315	315	12.94	302.06	327.94	
7	322	322	322	12.33	309.67	334.33	
8	327	327	327	11.87	315.13	338.87	
9	332	332	332	11.52	320.48	343.52	
10	337	337	337	11.26	325.74	348.26	
11	342	342	342	11.08	330.92	353.08	
12	347	347	347	10.95	336.05	357.95	
13	351	351	351	10.89	340.11	361.89	
14	356	356	356	10.87	345.13	366.87	
15	361	361	361	10.91	350.09	371.91	
16	365	365	365	11.01	353.99	376.01	
17	370	370	370	11.17	358.83	381.17	
18	375	375	375	11.39	363.61	386.39	
19	380	380	380	11.71	368.29	391.71	
20	382*	385	385	12.12*	372.87*	397.12*	
21		389**	395***	391	12.70**	378.29**	403.70**
22				13.26***	384.74***	411.26***	
23							
24							
25							
26							
27							

^ Truncated

* Applies to all capped grade 6 scores

** Applies to all capped grade 7 scores

*** Applies to all capped grade 8 scores

Table 6.6.2.2J

Raw Score to Proficiency Level Conversion: Read 6-8B S401 Paper

Raw Score	Grade 6		Grade 7		Grade 8	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	0.0	1.0	0.0	1.0	0.0
1	1.5	0.0	1.4	0.1	1.4	0.0
2	1.6	0.2	1.6	0.1	1.5	0.1
3	1.7	0.5	1.7	0.2	1.6	0.2
4	1.8	1.0	1.7	0.7	1.7	0.4
5	1.9	2.0	1.8	1.3	1.8	1.0
6	1.9	2.9	1.8	2.0	1.8	1.7
7	1.9	4.4	1.9	3.0	1.9	2.2
8	2.1	6.1	1.9	4.5	1.9	3.8
9	2.3	6.8	2.0	5.6	1.9	4.4
10	2.4	6.6	2.2	6.1	2.0	5.2
11	2.6	8.3	2.4	6.5	2.2	5.3
12	2.8	7.2	2.5	6.7	2.3	6.4
13	2.9	7.5	2.7	6.9	2.5	6.2
14	3.1	6.9	2.8	6.8	2.6	6.4
15	3.4	6.4	3.0	6.5	2.8	6.1
16	3.6	6.0	3.2	6.4	2.9	5.8
17	3.8	4.9	3.5	6.2	3.2	6.5
18	4.2	5.1	3.7	6.0	3.4	6.0
19	4.7	4.5	4.0	4.9	3.7	5.6
20	5.0*	3.5	4.5	5.2	3.9	5.5
21	5.0*	2.9	5.0*	4.2	4.5	5.3
22	5.0*	2.1	5.0*	3.0	5.0*	4.3
23	5.0*	1.6	5.0*	2.4	5.0*	3.6
24	5.0*	1.0	5.0*	1.9	5.0*	3.4
25	5.0*	0.8	5.0*	1.5	5.0*	2.2
26	5.0*	0.5	5.0*	0.9	5.0*	1.5
27	5.0*	0.1	5.0*	0.5	5.0*	0.9

* Capped

6.6.2.3 Reading 6–8C

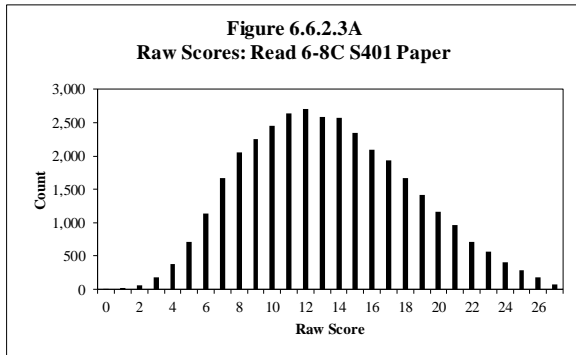


Table 6.6.2.3A

Raw Score Descriptive Statistics: Read 6-8C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	13,475	0	27	11.84	4.38
7	10,950	0	27	13.39	4.83
8	10,830	0	27	15.24	5.09
Total	35,255	0	27	13.36	4.95

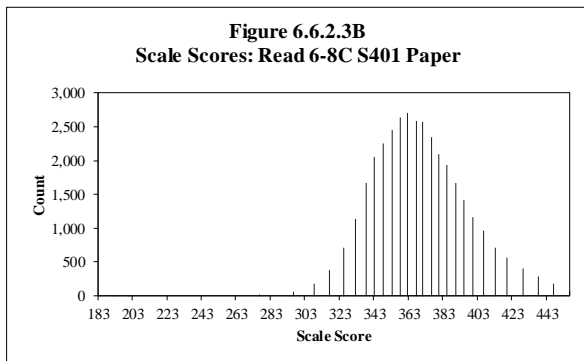


Table 6.6.2.3B

Scale Score Descriptive Statistics: Read 6-8C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	13,475	183	456	360.88	22.41
7	10,950	191	456	368.72	24.59
8	10,830	200	456	378.23	26.63
Total	35,255	183	456	368.64	25.47

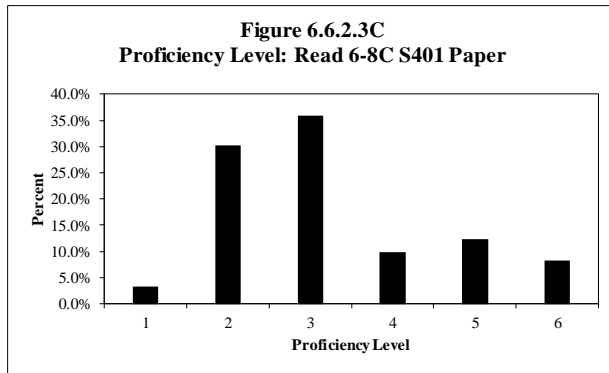


Table 6.6.2.3C
Proficiency Level Distribution: Read 6-8C S401 Paper

Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	366	2.7%	390	3.6%	411	3.8%	1,167	3.3%
2	3,989	29.6%	3,689	33.7%	2,981	27.5%	10,659	30.2%
3	5,625	41.7%	3,302	30.2%	3,729	34.4%	12,656	35.9%
4	1,487	11.0%	1,297	11.8%	698	6.4%	3,482	9.9%
5	1,294	9.6%	1,381	12.6%	1,686	15.6%	4,361	12.4%
6	714	5.3%	891	8.1%	1,325	12.2%	2,930	8.3%
Total	13,475	100.0%	10,950	100.0%	10,830	100.0%	35,255	100.0%

Table 6.6.2.3D
Scaling Equation for Reading

$$\text{Reading Scale Score} = (\text{Ability Measure in Logits} * 26.000) + 323.272$$

Table 6.6.2.3E
Equating Summary: Read 6-8C S401 Paper
Note: No equating was performed for S401.

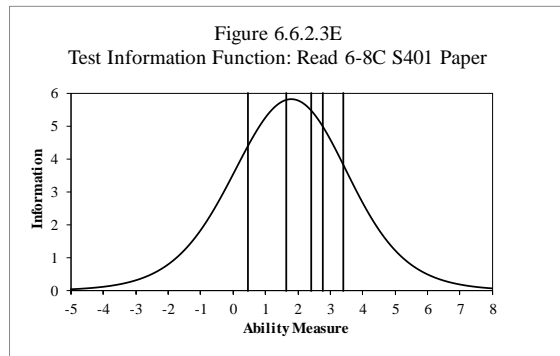
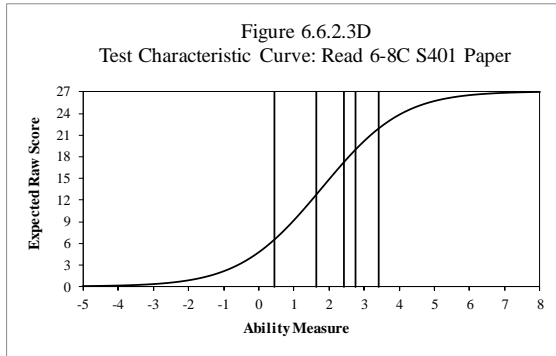


Table 6.6.2.3F
Reliability: Read 6-8C S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
35,255	27	0.780	2.319

Table 6.6.2.3G

Complete Item Analysis and Summary: Read 6-8C S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	1.75	1.00	1.01
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.R68C_8804_SIp3_LiteraryLetter_301_S401_Paper	1.03	0.99	1.00
2.R68C_8805_SIp4_LiteraryLetter_301_S401_Paper	1.80	1.06	1.09
3.R68C_8806_SIp5_LiteraryLetter_301_S401_Paper	1.28	1.03	1.06
4.R68C_7717_LAp3_Prodigy_203_S401_Paper	0.67	0.86	0.77
5.R68C_7718_LAp4_Prodigy_203_S401_Paper	1.20	0.90	0.87
6.R68C_7719_LAp5_Prodigy_203_S401_Paper	1.92	0.96	0.96
7.R68C_8758_MAp3_SchoolHallway_301_S401_Paper	0.64	0.93	0.91
8.R68C_8759_MAp4_SchoolHallway_301_S401_Paper	2.25	1.01	1.03
9.R68C_8760_MAp5_SchoolHallway_301_S401_Paper	2.32	1.15	1.22
10.R68C_9816_SCP2_HeatTransfer_303_S401_Paper	-0.10	0.97	0.96
11.R68C_9817_SCP3_HeatTransfer_303_S401_Paper	1.41	0.99	0.99
12.R68C_9867_SCP4_HeatTransfer_303_S401_Paper	2.58	1.05	1.14
13.R68C_7292_SSp3_MountainRanges_203_S401_Paper	1.35	0.88	0.83
14.R68C_7293_SSp4_MountainRanges_203_S401_Paper	1.76	0.93	0.91
15.R68C_7303_SSp5_MountainRanges_203_S401_Paper	2.37	1.10	1.15
16.R68C_7771_LAp3_SettingARingtone_203_S401_Paper	0.41	0.90	0.83
17.R68C_7772_LAp4_SettingARingtone_203_S401_Paper	3.00	1.03	1.08
18.R68C_7773_LAp5_SettingARingtone_203_S401_Paper	2.90	0.98	1.03
19.R68C_8761_MAp3_StudentPopulation_301_S401_Paper	0.95	0.91	0.86
20.R68C_8763_MAp4_StudentPopulation_301_S401_Paper	1.48	1.04	1.05
21.R68C_8765_MAp5_StudentPopulation_301_S401_Paper	2.39	1.06	1.10
22.R68C_5883_SCP3_Vaporization_RaObAmSc_S401_Paper	1.73	1.02	1.02
23.R68C_5884_SCP4_Vaporization_RaObAmSc_S401_Paper	2.68	1.05	1.09
24.R68C_5885_SCP5_Vaporization_RaObAmSc_S401_Paper	2.34	1.04	1.06
25.R68C_7194_SSp3_StudentCouncil_203_S401_Paper	1.41	0.92	0.88
26.R68C_7195_SSp4_StudentCouncil_203_S401_Paper	2.79	1.07	1.12
27.R68C_7196_SSp5_StudentCouncil_203_S401_Paper	2.84	1.11	1.19

* No equating was performed for S401. Information on anchored items and their P-values can be found in S303 Annual Technical Report, Table H.

Table 6.6.2.3H

DIF Analysis and Summary: Read 6-8C S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	13	14	14	13
B	0	0	0	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.R68C_8804_SIp3_LiteraryLetter_301_S401_Paper	A	F	A	H
2.R68C_8805_SIp4_LiteraryLetter_301_S401_Paper	A	M	A	H
3.R68C_8806_SIp5_LiteraryLetter_301_S401_Paper	A	F	A	O
4.R68C_7717_LAp3_Prodigy_203_S401_Paper	A	F	A	O
5.R68C_7718_LAp4_Prodigy_203_S401_Paper	A	F	A	H
6.R68C_7719_LAp5_Prodigy_203_S401_Paper	A	F	A	O
7.R68C_8758_MAp3_SchoolHallway_301_S401_Paper	A	F	A	H
8.R68C_8759_MAp4_SchoolHallway_301_S401_Paper	A	M	A	O
9.R68C_8760_MAp5_SchoolHallway_301_S401_Paper	A	M	A	O
10.R68C_9816_SCP2_HeatTransfer_303_S401_Paper	A	F	A	O
11.R68C_9817_SCP3_HeatTransfer_303_S401_Paper	A	F	A	O
12.R68C_9867_SCP4_HeatTransfer_303_S401_Paper	A	M	A	H
13.R68C_7292_SSp3_MountainRanges_203_S401_Paper	A	F	A	H
14.R68C_7293_SSp4_MountainRanges_203_S401_Paper	A	M	A	H
15.R68C_7303_SSp5_MountainRanges_203_S401_Paper	A	M	A	H
16.R68C_7771_LAp3_SettingARingtone_203_S401_Paper	A	F	A	O
17.R68C_7772_LAp4_SettingARingtone_203_S401_Paper	A	F	A	H
18.R68C_7773_LAp5_SettingARingtone_203_S401_Paper	A	M	A	O
19.R68C_8761_MAp3_StudentPopulation_301_S401_Paper	A	F	A	O
20.R68C_8763_MAp4_StudentPopulation_301_S401_Paper	A	F	A	O
21.R68C_8765_MAp5_StudentPopulation_301_S401_Paper	A	F	A	H
22.R68C_5883_SCP3_Vaporization_RaObAmSc_S401_Paper	A	M	A	O
23.R68C_5884_SCP4_Vaporization_RaObAmSc_S401_Paper	A	M	A	H
24.R68C_5885_SCP5_Vaporization_RaObAmSc_S401_Paper	A	M	A	H
25.R68C_7194_SSp3_StudentCouncil_203_S401_Paper	A	M	A	H
26.R68C_7195_SSp4_StudentCouncil_203_S401_Paper	A	M	A	H
27.R68C_7196_SSp5_StudentCouncil_203_S401_Paper	A	M	A	O

Table 6.6.2.31

Raw Score to Scale Score Conversion: Read 6-8C S401 Paper

Raw Score	Scale Score			CSEM	Low Bound	High Bound
	Grade 6	Grade 7	Grade 8			
0	183^	191^	200^	109.20	133.80	352.20
1	276	276	276	26.89	249.11	302.89
2	296	296	296	19.63	276.37	315.63
3	308	308	308	16.53	291.47	324.53
4	317	317	317	14.74	302.26	331.74
5	325	325	325	13.58	311.42	338.58
6	332	332	332	12.76	319.24	344.76
7	338	338	338	12.16	325.84	350.16
8	343	343	343	11.72	331.28	354.72
9	348	348	348	11.38	336.62	359.38
10	353	353	353	11.13	341.87	364.13
11	358	358	358	10.96	347.04	368.96
12	362	362	362	10.84	351.16	372.84
13	367	367	367	10.78	356.22	377.78
14	371	371	371	10.77	360.23	381.77
15	376	376	376	10.81	365.19	386.81
16	380	380	380	10.91	369.09	390.91
17	385	385	385	11.07	373.93	396.07
18	390	390	390	11.29	378.71	401.29
19	395	395	395	11.61	383.39	406.61
20	400	400	400	12.03	387.97	412.03
21	406	406	406	12.61	393.39	418.61
22	413	413	413	13.41	399.59	426.41
23	420	420	420	14.57	405.43	434.57
24	429	429	429	16.34	412.66	445.34
25	438*	438*	438*	18.72	422.28	459.72
26	447*	447*	447*	21.32	439.68	482.32
27	456*	456*	456*	24.70	468.30	517.70

^ Truncated

* Adjusted for end of scale effect

Table 6.6.2.3J

Raw Score to Proficiency Level Conversion: Read 6-8C S401 Paper

Raw Score	Grade 6		Grade 7		Grade 8	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	0.1	1.0	0.0	1.0	0.0
1	1.6	0.1	1.6	0.0	1.5	0.0
2	1.8	0.3	1.7	0.2	1.7	0.1
3	1.8	0.8	1.8	0.5	1.8	0.2
4	1.9	1.5	1.9	0.9	1.8	0.6
5	2.0	2.9	1.9	1.9	1.9	1.0
6	2.3	4.2	2.0	3.4	1.9	1.8
7	2.5	6.4	2.2	4.5	2.0	2.8
8	2.6	7.9	2.4	5.4	2.2	3.7
9	2.8	8.1	2.6	6.4	2.4	4.3
10	3.0	8.9	2.7	6.7	2.5	4.8
11	3.2	8.9	2.9	7.3	2.7	5.9
12	3.4	8.9	3.1	7.8	2.8	6.1
13	3.7	7.9	3.3	7.4	3.0	6.6
14	3.9	7.2	3.5	7.8	3.2	6.9
15	4.3	5.9	3.8	7.1	3.5	7.2
16	4.7	5.1	4.0	6.2	3.7	6.7
17	5.1	4.1	4.5	5.6	3.9	7.0
18	5.4	3.1	5.0	5.1	4.4	6.4
19	5.7	2.5	5.3	3.9	5.0	6.0
20	6.0	1.7	5.6	3.6	5.2	4.9
21	6.0	1.3	6.0	2.6	5.6	4.6
22	6.0	0.9	6.0	1.8	6.0	3.7
23	6.0	0.6	6.0	1.5	6.0	2.9
24	6.0	0.4	6.0	0.9	6.0	2.4
25	6.0	0.3	6.0	0.6	6.0	1.7
26	6.0	0.1	6.0	0.5	6.0	1.0
27	6.0	0.1	6.0	0.2	6.0	0.4

6.6.3 Writing 6–8

6.6.3.1 Writing 6–8A

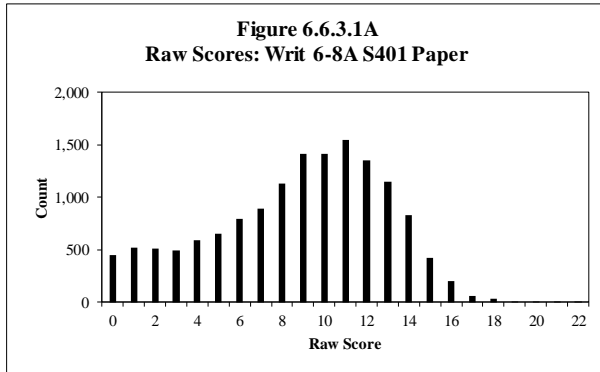


Table 6.6.3.1A

Raw Score Descriptive Statistics: Writ 6-8A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	4,993	0	21	8.45	4.13
7	4,785	0	22	8.69	4.05
8	4,690	0	21	9.16	4.03
Total	14,468	0	22	8.76	4.08

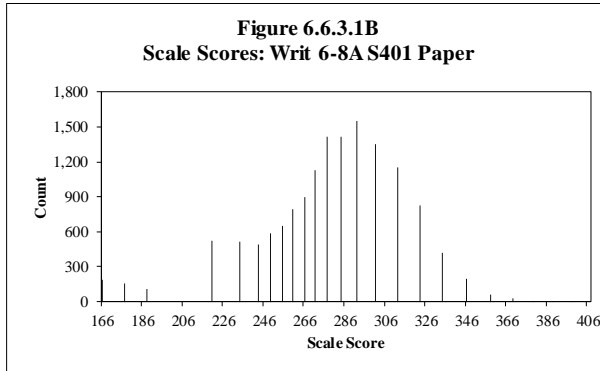


Table 6.6.3.1B

Scale Score Descriptive Statistics: Writ 6-8A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	4,993	166	398	275.08	35.38
7	4,785	177	407	277.56	33.38
8	4,690	188	398	281.81	32.38
Total	14,468	166	407	278.08	33.88

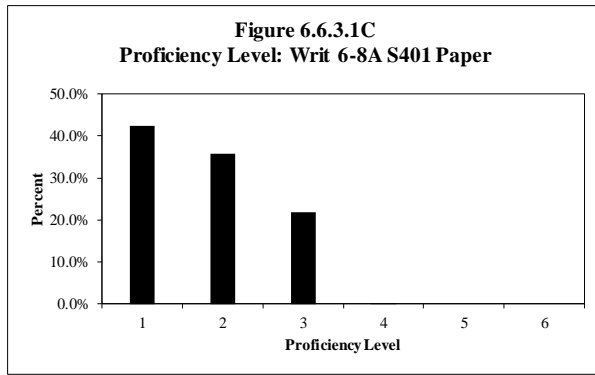


Table 6.6.3.1C
Proficiency Level Distribution: Writ 6-8A S401 Paper

Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	1,819	36.4%	2,033	42.5%	2,273	48.5%	6,125	42.3%
2	1,867	37.4%	1,907	39.9%	1,390	29.6%	5,164	35.7%
3	1,300	26.0%	837	17.5%	1,017	21.7%	3,154	21.8%
4	7	0.1%	8	0.2%	10	0.2%	25	0.2%
5	0	0.0%	0	0.0%	0	0.0%	0	0.0%
6	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	4,993	100.0%	4,785	100.0%	4,690	100.0%	14,468	100.0%

Table 6.6.3.1D
Scaling Equation for Writing

Writing Scale Score = (Ability Measure in Logits*26.851) + 303.332

Table 6.6.3.1E
Equating Summary: Writ 6-8A S401 Paper

Comparison of Forms*	Form 401		Form 400			
	No. of Tasks	Average Difficulty (Std. Dev.)	No. of Tasks	Average Difficulty (Std. Dev.)		
	3	0.92 (0.36)	3	2.83 (0.38)		
	Easiest	Hardest	Easiest	Hardest		
0.60	1.32	2.45	3.20			
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)				
	3	0.92 (0.36)				
	No. of Anchors Used	Average Difficulty (Std. Dev.)				
	3	0.92 (0.36)				
	Percentage Anchors	Average Displacement				
100%	0.00					
Common Rating Scale Step Measures	Anchored Scale Steps					
	Step	Measure				
	1	-2.47				
	2	-2.78				
	3	-2.61				
	4	-1.68				
	5	-0.48				
	6	0.97				
	7	2.25				
	8	3.21				
9	3.59					
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty		
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement
	14284	0.85	-0.12	14285	0.60	-0.02
	14285	0.60	-0.02	14284	0.85	-0.12
	14287	1.32	0.12	14287	1.32	0.12

* No equating was performed for the previous series (S400).

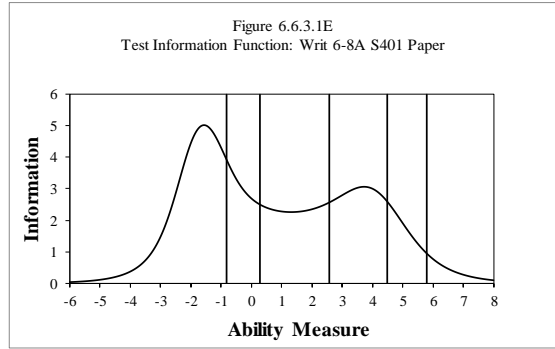
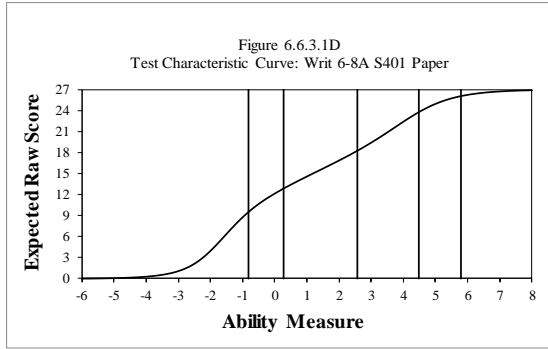


Table 6.6.3.1F

Reliability: Writ 6-8A S401 Paper

Reliability	No. of Students	No. of Tasks	Cronbach's Alpha		SEM
		14,468	3	0.873	
Interrater Reliability	Task	No. in Sample	%AG	%AD	%NA
	1	7,668	96	4	0
	2	8,528	96	3	0
	3	7,958	97	3	0

Table 6.6.3.1G

Complete Task Analysis and Summary: Writ 6-8A S401 Paper

Task Type	Average Task Difficulty (in logits)	No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square
Constructed Response	0.92	3	0.42	0.45
Name	Task Difficulty (in logits)	Anchored?	Fit Statistics	
			Infit Mnsq	Outfit Mnsq
1.W68A_14284_SIp3_Clubs_P100_A301_HW_S401_Paper	0.85	Yes	0.37	0.39
2.W68A_14285_LAp3_Cat_P100_A301_HW_S401_Paper	0.60	Yes	0.47	0.47
3.W68A_14287_MSp3_Ecosystems_MaMaNiVi_P100_A203_HW_S401_Paper	1.32	Yes	0.43	0.48
Raw Score Distribution by Task	Raw Score	Task 1	Task 2	Task 3
	0	7.10%	11.80%	10.00%
	1	10.80%	6.60%	11.30%
	2	16.50%	11.80%	17.10%
	3	25.50%	23.00%	36.00%
	4	24.20%	24.00%	21.30%
	5	13.00%	17.40%	3.90%
	6	2.80%	4.60%	0.30%
	7	0.20%	0.60%	0.00%
	8	0.00%	0.10%	0.00%
	9	0.00%	0.00%	0.00%

Table 6.6.3.1H

DIF Analysis and Summary: Writ 6-8A S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
DIF Level	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	1	2	2	1
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.W68A_14284_SIp3_Clubs_P100_A301_HW_S401_Paper	AA	F	AA	H
2.W68A_14285_LAp3_Cat_P100_A301_HW_S401_Paper	AA	M	AA	O
3.W68A_14287_MSp3_Ecosystems_MaMaNiVi_P100_A203_HW_S401_Paper	AA	F	AA	H

Table 6.6.3.11

Raw Score to Scale Score Conversion: Writ 6-8A S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	188 [^]	52.90	141.10	246.90
1	220	23.41	196.59	243.41
2	234	16.49	217.51	250.49
3	243	13.94	229.06	256.94
4	249	12.75	236.25	261.75
5	255	12.16	242.84	267.16
6	260	11.98	248.02	271.98
7	266	12.08	253.92	278.08
8	271	12.46	258.54	283.46
9	277	13.08	263.92	290.08
10	284	13.99	270.01	297.99
11	292	15.09	276.91	307.09
12	301	16.16	284.84	317.16
13	312	17.02	294.98	329.02
14	323	17.59	305.41	340.59
15	334	17.83	316.17	351.83
16	346	17.78	328.22	363.78
17	358	17.45	340.55	375.45
18	369	16.94	352.06	385.94
19	379	16.33	362.67	395.33
20	389	15.76	373.24	404.76
21	398	15.41	382.59	413.41
22	407	15.36	391.64	422.36
23	416	15.82	400.18	431.82
24	425	16.97	408.03	441.97
25	438	19.57	418.43	457.57
26	457	26.58	430.42	483.58
27	488	48.39	439.61	536.39

^ Truncated

Table 6.6.3.1J

Raw Score to Proficiency Level Conversion: Writ 6-8A S401 Paper

Raw Score	Grade 6		Grade 7		Grade 8	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	3.8	1.0	3.2	1.0	2.3
1	1.5	4.3	1.4	3.7	1.3	2.9
2	1.6	3.9	1.5	3.2	1.4	3.5
3	1.7	3.5	1.6	3.8	1.5	2.8
4	1.8	4.5	1.7	3.9	1.6	3.7
5	1.8	4.9	1.8	4.8	1.7	3.7
6	1.9	5.4	1.8	5.4	1.7	5.7
7	1.9	6.0	1.9	6.6	1.8	5.8
8	2.1	7.8	1.9	7.9	1.8	7.7
9	2.3	9.7	2.1	9.4	1.9	10.3
10	2.5	9.6	2.3	10.2	2.1	9.5
11	2.8	10.3	2.5	11.1	2.3	10.7
12	3.0	9.5	2.8	9.1	2.6	9.4
13	3.2	7.6	3.1	7.3	3.0	9.1
14	3.3	5.1	3.2	5.6	3.1	6.5
15	3.5	2.5	3.4	2.8	3.3	3.6
16	3.7	1.1	3.6	1.5	3.5	1.6
17	3.9	0.3	3.8	0.4	3.7	0.5
18	4.1	0.1	4.0	0.1	3.9	0.5
19	4.3	0.0	4.2	0.0	4.1	0.1
20	4.5	0.0	4.4	0.0	4.3	0.0
21	4.7	0.0	4.5	0.0	4.5	0.1
22	4.8	0.0	4.7	0.0	4.6	0.0
23	5.1	0.0	4.9	0.0	4.8	0.0
24	5.4	0.0	5.1	0.0	5.0	0.0
25	5.8	0.0	5.6	0.0	5.4	0.0
26	6.0	0.0	6.0	0.0	5.9	0.0
27	6.0	0.0	6.0	0.0	6.0	0.0

6.6.3.2 Writing 6–8B

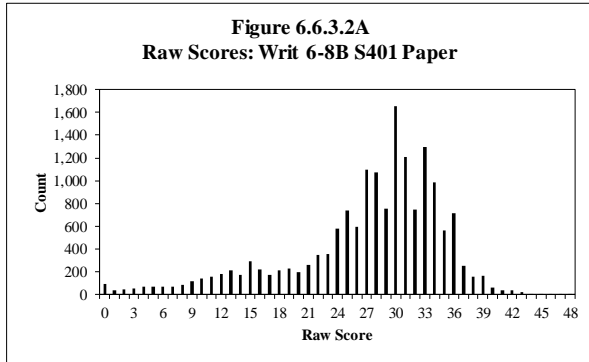


Table 6.6.3.2A

Raw Score Descriptive Statistics: Writ 6-8B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	5,467	0	46	25.97	8.00
7	5,695	0	48	27.09	7.95
8	5,441	0	48	28.09	7.82
Total	16,603	0	48	27.05	7.97

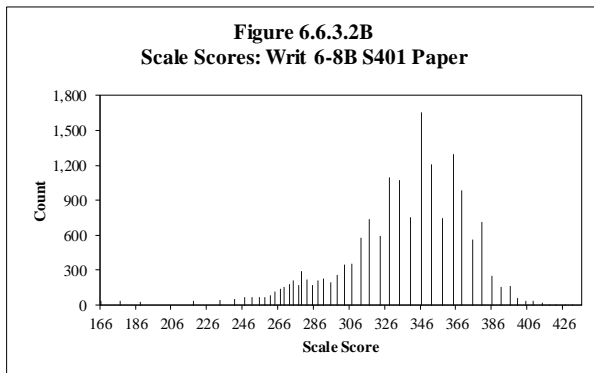


Table 6.6.3.2B

Scale Score Descriptive Statistics: Writ 6-8B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	5,467	166	427	327.85	37.24
7	5,695	177	436	333.49	37.30
8	5,441	188	436	338.62	36.97
Total	16,603	166	436	333.32	37.43

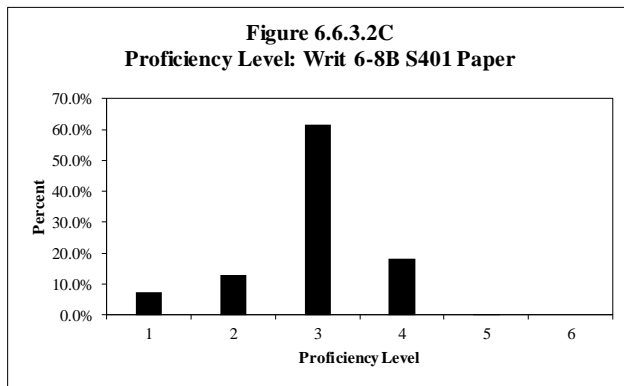


Table 6.6.3.2C
Proficiency Level Distribution: Writ 6-8B S401 Paper

Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	319	5.8%	404	7.1%	506	9.3%	1,229	7.4%
2	789	14.4%	777	13.6%	550	10.1%	2,116	12.7%
3	3,256	59.6%	3,496	61.4%	3,485	64.1%	10,237	61.7%
4	1,100	20.1%	1,010	17.7%	899	16.5%	3,009	18.1%
5	3	0.1%	8	0.1%	1	0.0%	12	0.1%
6	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	5,467	100.0%	5,695	100.0%	5,441	100.0%	16,603	100.0%

Table 6.6.3.2D

Scaling Equation for Writing

Writing Scale Score = (Ability Measure in Logits*26.851) + 303.332

Table 6.6.3.2E

Equating Summary: Writ 6-8B S401 Paper

Comparison of Forms*	Form 401		Form 400			
	No. of Tasks	Average Difficulty (Std. Dev.)	No. of Tasks	Average Difficulty (Std. Dev.)		
	3	1.30 (0.17)	3	1.59 (0.26)		
	Easiest	Hardest	Easiest	Hardest		
1.10	1.42	1.35	1.87			
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)				
	2	1.26 (0.23)				
	No. of Anchors Used	Average Difficulty (Std. Dev.)				
	2	1.26 (0.23)				
	Percentage Anchors	Average Displacement				
67%	-0.02					
Common Rating Scale Step Measures	Anchored Scale Steps					
	Step	Measure				
	1	-2.47				
	2	-2.78				
	3	-2.61				
	4	-1.68				
	5	-0.48				
	6	0.97				
	7	2.25				
	8	3.21				
9	3.59					
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty		
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement
	14655	1.10	-0.06	14655	1.10	-0.06
	14654	1.42	0.03	14654	1.42	0.03

* No equating was performed for the previous series (S400).

Note that the test form is shared between 6-8B and 6-8C.

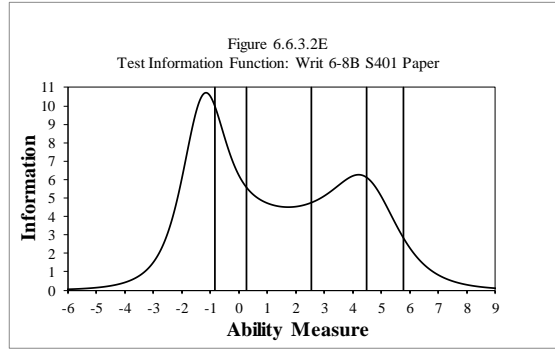
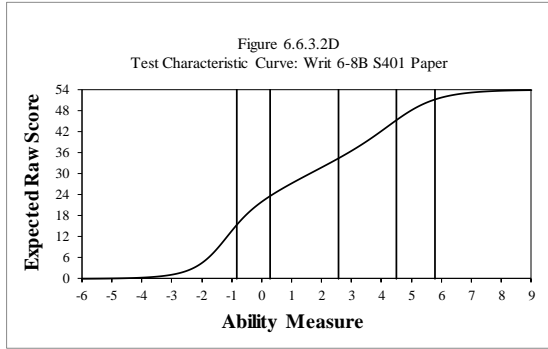


Table 6.6.3.2F

Reliability: Writ 6-8B S401 Paper

Reliability	No. of Students	No. of Tasks	Cronbach's Alpha		SEM
		51,854	3	0.911	
Interrater Reliability	Task	No. in Sample	%AG	%AD	%NA
	1	22,484	96	4	0
	2	22,900	96	3	0
	3	27,554	95	4	0

Note that the test form is shared between 6-8B and 6-8C.

Table 6.6.3.2G

Complete Task Analysis and Summary: Writ 6-8B S401 Paper

Task Type	Average Task Difficulty (in logits)	No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square
Constructed Response	1.30	3	0.70	0.60
Name	Task Difficulty (in logits)	Anchored?	Fit Statistics	
			Infit Mnsq	Outfit Mnsq
1.W68BC_14655_SIp4_SchoolElectronics_P100_A301_HW_S401_Paper	1.10	Yes	0.90	0.81
2.W68BC_14654_MSp4_BodySystems_kiow_P100_A203_HW_S401_Paper	1.42	Yes	0.70	0.60
3.W68BC_15764_ITp5_ServiceProject_401_HW_S401_Paper	1.37		0.50	0.40
Raw Score Distribution by Task	Raw Score	Task 1	Task 2	Task 3
	0	0.50%	1.00%	5.00%
	1	0.50%	0.50%	0.70%
	2	1.10%	1.20%	2.50%
	3	2.60%	4.40%	3.70%
	4	12.30%	17.60%	17.00%
	5	44.30%	46.80%	33.70%
	6	34.50%	25.50%	30.90%
	7	3.90%	2.80%	5.30%
	8	0.20%	0.20%	0.80%
	9	0.00%	0.00%	0.20%

Note that the test form is shared between 6-8B and 6-8C.

Table 6.6.3.2H

DIF Analysis and Summary: Writ 6-8B S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
DIF Level	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	2	1	1	2
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.W68BC_14655_SIp4_SchoolElectronics_P100_A301_HW_S401_Paper	AA	F	AA	O
2.W68BC_14654_MSp4_BodySystems_kiow_P100_A203_HW_S401_Paper	AA	M	AA	H
3.W68BC_15764_ITp5_ServiceProject_401_HW_S401_Paper	AA	M	AA	O

Note that the test form is shared between 6-8B and 6-8C.

Table 6.6.3.21

Raw Score to Scale Score Conversion: Writ 6-8B S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound	Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	188^	49.14	140.86	239.14	34	369	12.38	356.62	381.38
1	218	24.38	193.62	242.38	35	375	12.22	362.78	387.22
2	233	16.57	216.43	249.57	36	380	12.00	368.00	392.00
3	241	13.35	227.65	254.35	37	386	11.79	374.21	397.79
4	247	11.57	235.43	258.57	38	391	11.55	379.45	402.55
5	251	10.45	240.55	261.45	39	396	11.33	384.67	407.33
6	255	9.69	245.31	264.69	40	400	11.12	388.88	411.12
7	258	9.16	248.84	267.16	41	405	10.96	394.04	415.96
8	261	8.78	252.22	269.78	42	409	10.82	398.18	419.82
9	264	8.51	255.49	272.51	43	414	10.74	403.26	424.74
10	267	8.35	258.65	275.35	44	418	10.74	407.26	428.74
11	269	8.24	260.76	277.24	45	422	10.85	411.15	432.85
12	272	8.22	263.78	280.22	46	427	11.04	415.96	438.04
13	274	8.24	265.76	282.24	47	431	11.33	419.67	442.33
14	277	8.32	268.68	285.32	48	436	11.84	424.16	447.84
15	279	8.46	270.54	287.46	49	442	12.57	429.43	454.57
16	282	8.65	273.35	290.65	50	448	13.69	434.31	461.69
17	285	8.89	276.11	293.89	51	456	15.49	440.51	471.49
18	288	9.18	278.82	297.18	52	467	18.74	448.26	485.74
19	291	9.53	281.47	300.53	53	485	26.42	458.58	511.42
20	295	9.93	285.07	304.93	54	516	48.65	467.35	564.65
21	299	10.34	288.66	309.34					
22	303	10.77	292.23	313.77					
23	307	11.17	295.83	318.17					
24	312	11.52	300.48	323.52					
25	317	11.84	305.16	328.84					
26	323	12.11	310.89	335.11					
27	328	12.32	315.68	340.32					
28	334	12.49	321.51	346.49					
29	340	12.59	327.41	352.59					
30	346	12.65	333.35	358.65					
31	352	12.65	339.35	364.65					
32	358	12.62	345.38	370.62					
33	364	12.51	351.49	376.51					

^ Truncated

Note that the test form is shared between 6-8B and 6-8C.

Table 6.6.3.2J

Raw Score to Proficiency Level Conversion: Writ 6-8B S401 Paper

Raw Score	Grade 6		Grade 7		Grade 8	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	0.6	1.0	0.6	1.0	0.5
1	1.5	0.3	1.4	0.2	1.3	0.2
2	1.6	0.2	1.5	0.3	1.4	0.2
3	1.7	0.4	1.6	0.4	1.5	0.2
4	1.7	0.4	1.7	0.4	1.6	0.4
5	1.8	0.5	1.7	0.4	1.6	0.3
6	1.8	0.5	1.8	0.4	1.7	0.3
7	1.9	0.6	1.8	0.4	1.7	0.3
8	1.9	0.6	1.8	0.5	1.7	0.3
9	1.9	0.8	1.9	0.6	1.8	0.7
10	1.9	0.8	1.9	0.8	1.8	0.9
11	2.0	1.2	1.9	1.0	1.8	0.6
12	2.1	1.4	1.9	1.1	1.9	0.8
13	2.2	1.5	2.0	1.4	1.9	1.0
14	2.3	1.4	2.1	1.0	1.9	0.7
15	2.3	2.0	2.1	1.7	1.9	1.6
16	2.4	1.5	2.2	1.4	2.0	1.2
17	2.5	1.1	2.3	1.1	2.1	0.9
18	2.6	1.4	2.4	1.2	2.2	1.2
19	2.7	1.7	2.5	1.2	2.3	1.2
20	2.9	1.4	2.6	1.2	2.4	1.0
21	3.0	1.8	2.8	1.7	2.6	1.3
22	3.0	2.7	2.9	1.9	2.7	1.7
23	3.1	2.7	3.0	2.0	2.8	1.7
24	3.2	4.1	3.1	3.2	3.0	3.1
25	3.3	5.1	3.1	4.4	3.0	3.9
26	3.3	3.8	3.2	4.0	3.1	3.0
27	3.4	7.4	3.3	6.3	3.2	6.0
28	3.5	6.1	3.4	6.8	3.3	6.4
29	3.6	5.0	3.5	4.4	3.4	4.2
30	3.7	9.9	3.6	10.3	3.5	9.6
31	3.8	6.5	3.7	7.6	3.6	7.6
32	3.9	4.3	3.8	4.4	3.7	4.8
33	4.0	7.2	3.9	7.9	3.8	8.3
34	4.1	4.7	4.0	6.0	3.9	7.1
35	4.2	2.6	4.1	3.3	4.0	4.2
36	4.3	3.1	4.2	4.1	4.1	5.7
37	4.4	1.0	4.3	1.7	4.2	1.9
38	4.5	0.6	4.4	0.9	4.3	1.3
39	4.6	0.5	4.5	0.9	4.4	1.6
40	4.7	0.2	4.6	0.3	4.5	0.6
41	4.8	0.1	4.7	0.2	4.6	0.4
42	4.9	0.1	4.8	0.2	4.7	0.5
43	5.0	0.0	4.9	0.1	4.8	0.2
44	5.1	0.0	4.9	0.1	4.8	0.1
45	5.3	0.0	5.0	0.1	4.9	0.0
46	5.5	0.0	5.2	0.0	5.0	0.0
47	5.6	0.0	5.3	0.0	5.2	0.0
48	5.8	0.0	5.5	0.0	5.3	0.0
49	6.0	0.0	5.7	0.0	5.5	0.0
50	6.0	0.0	5.9	0.0	5.6	0.0
51	6.0	0.0	6.0	0.0	5.9	0.0
52	6.0	0.0	6.0	0.0	6.0	0.0
53	6.0	0.0	6.0	0.0	6.0	0.0
54	6.0	0.0	6.0	0.0	6.0	0.0

Note that the test form is shared between 6-8B and 6-8C.

6.6.3.3 Writing 6–8C

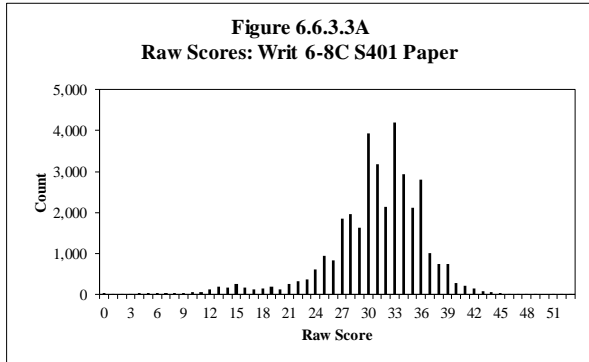


Table 6.6.3.3A

Raw Score Descriptive Statistics: Writ 6-8C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	13,474	0	51	29.61	5.71
7	10,946	0	53	30.91	5.66
8	10,831	0	52	32.20	5.37
Total	35,251	0	53	30.81	5.69

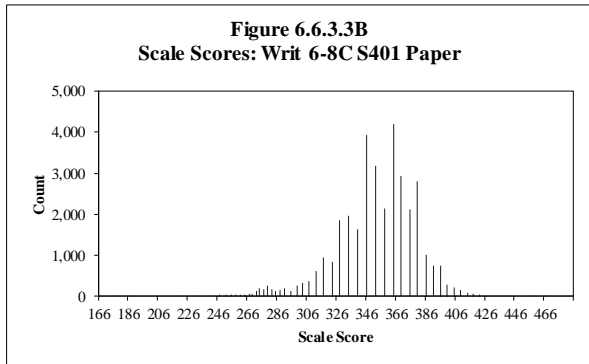


Table 6.6.3.3B

Scale Score Descriptive Statistics: Writ 6-8C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	13,474	166	456	345.25	28.63
7	10,946	177	485	352.30	28.71
8	10,831	188	467	359.18	27.65
Total	35,251	166	485	351.72	28.94

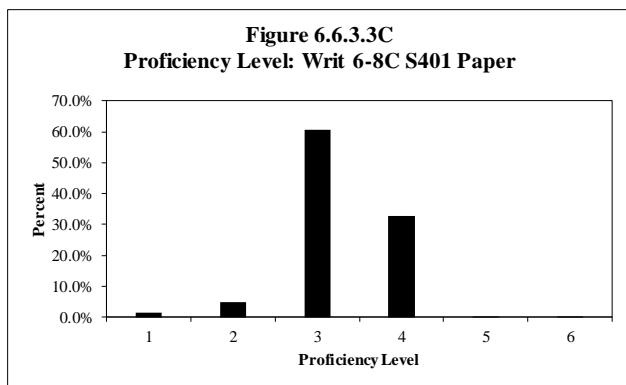


Table 6.6.3.3C

Proficiency Level Distribution: Writ 6-8C S401 Paper

Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	138	1.0%	153	1.4%	213	2.0%	504	1.4%
2	799	5.9%	585	5.3%	337	3.1%	1,721	4.9%
3	8,026	59.6%	6,663	60.9%	6,698	61.8%	21,387	60.7%
4	4,494	33.4%	3,522	32.2%	3,554	32.8%	11,570	32.8%
5	16	0.1%	21	0.2%	27	0.2%	64	0.2%
6	1	0.0%	2	0.0%	2	0.0%	5	0.0%
Total	13,474	100.0%	10,946	100.0%	10,831	100.0%	35,251	100.0%

Table 6.6.3.3D

Scaling Equation for Writing

Writing Scale Score = (Ability Measure in Logits*26.851) + 303.332

Table 6.6.3.3E

Equating Summary: Writ 6-8C S401 Paper

Comparison of Forms*	Form 401		Form 400			
	No. of Tasks	Average Difficulty (Std. Dev.)	No. of Tasks	Average Difficulty (Std. Dev.)		
	3	1.30 (0.17)	3	1.59 (0.26)		
	Easiest	Hardest	Easiest	Hardest		
1.10	1.42	1.35	1.87			
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)				
	2	1.26 (0.23)				
	No. of Anchors Used	Average Difficulty (Std. Dev.)				
	2	1.26 (0.23)				
	Percentage Anchors	Average Displacement				
67%	-0.02					
Common Rating Scale Step Measures	Anchored Scale Steps					
	Step	Measure				
	1	-2.47				
	2	-2.78				
	3	-2.61				
	4	-1.68				
	5	-0.48				
	6	0.97				
	7	2.25				
	8	3.21				
9	3.59					
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty		
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement
	14655	1.10	-0.06	14655	1.10	-0.06
	14654	1.42	0.03	14654	1.42	0.03

* No equating was performed for the previous series (S400).

Note that the test form is shared between 6-8B and 6-8C.

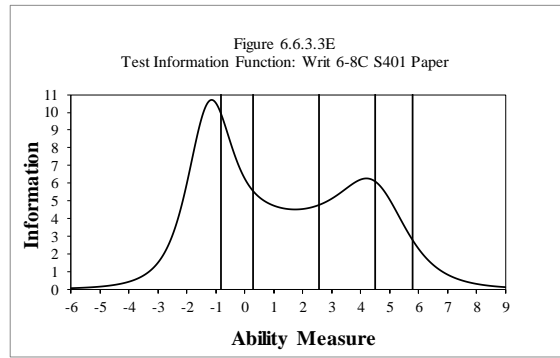
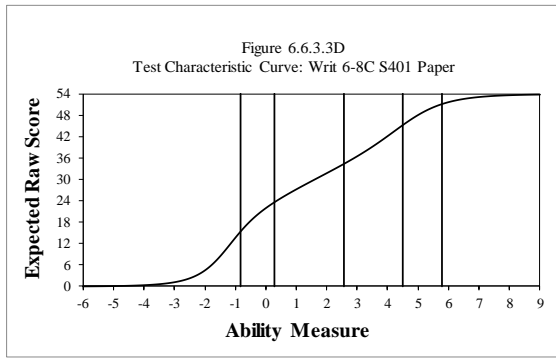


Table 6.6.3.3F

Reliability: Writ 6-8C S401 Paper

Reliability	No. of Students	No. of Tasks	Cronbach's Alpha		SEM
		51,854	3	0.911	
Interrater Reliability	Task	No. in Sample	%AG	%AD	%NA
	1	22,484	96	4	0
	2	22,900	96	3	0
	3	27,554	95	4	0

Note that the test form is shared between 6-8B and 6-8C.

Table 6.6.3.3G

Complete Task Analysis and Summary: Writ 6-8C S401 Paper

Task Type	Average Task Difficulty (in logits)	No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square
Constructed Response	1.30	3	0.70	0.60
Name	Task Difficulty (in logits)	Anchored?	Fit Statistics	
			Infit Mnsq	Outfit Mnsq
1.W68BC_14655_SIp4_SchoolElectronics_P100_A301_HW_S401_Paper	1.10	Yes	0.90	0.81
2.W68BC_14654_MSp4_BodySystems_kiow_P100_A203_HW_S401_Paper	1.42	Yes	0.70	0.60
3.W68BC_15764_ITp5_ServiceProject_401_HW_S401_Paper	1.37		0.50	0.40
Raw Score Distribution by Task	Raw Score	Task 1	Task 2	Task 3
	0	0.50%	1.00%	5.00%
	1	0.50%	0.50%	0.70%
	2	1.10%	1.20%	2.50%
	3	2.60%	4.40%	3.70%
	4	12.30%	17.60%	17.00%
	5	44.30%	46.80%	33.70%
	6	34.50%	25.50%	30.90%
	7	3.90%	2.80%	5.30%
	8	0.20%	0.20%	0.80%
9	0.00%	0.00%	0.20%	

Note that the test form is shared between 6-8B and 6-8C.

Table 6.6.3.3H

DIF Analysis and Summary: Writ 6-8C S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	2	1	1	2
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.W68BC_14655_SIp4_SchoolElectronics_P100_A301_HW_S401_Paper	AA	F	AA	O
2.W68BC_14654_MSp4_BodySystems_kiow_P100_A203_HW_S401_Paper	AA	M	AA	H
3.W68BC_15764_ITp5_ServiceProject_401_HW_S401_Paper	AA	M	AA	O

Note that the test form is shared between 6-8B and 6-8C.

Table 6.6.3.3I

Raw Score to Scale Score Conversion: Writ 6-8C S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound	Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	188^	49.14	140.86	239.14	34	369	12.38	356.62	381.38
1	218	24.38	193.62	242.38	35	375	12.22	362.78	387.22
2	233	16.57	216.43	249.57	36	380	12.00	368.00	392.00
3	241	13.35	227.65	254.35	37	386	11.79	374.21	397.79
4	247	11.57	235.43	258.57	38	391	11.55	379.45	402.55
5	251	10.45	240.55	261.45	39	396	11.33	384.67	407.33
6	255	9.69	245.31	264.69	40	400	11.12	388.88	411.12
7	258	9.16	248.84	267.16	41	405	10.96	394.04	415.96
8	261	8.78	252.22	269.78	42	409	10.82	398.18	419.82
9	264	8.51	255.49	272.51	43	414	10.74	403.26	424.74
10	267	8.35	258.65	275.35	44	418	10.74	407.26	428.74
11	269	8.24	260.76	277.24	45	422	10.85	411.15	432.85
12	272	8.22	263.78	280.22	46	427	11.04	415.96	438.04
13	274	8.24	265.76	282.24	47	431	11.33	419.67	442.33
14	277	8.32	268.68	285.32	48	436	11.84	424.16	447.84
15	279	8.46	270.54	287.46	49	442	12.57	429.43	454.57
16	282	8.65	273.35	290.65	50	448	13.69	434.31	461.69
17	285	8.89	276.11	293.89	51	456	15.49	440.51	471.49
18	288	9.18	278.82	297.18	52	467	18.74	448.26	485.74
19	291	9.53	281.47	300.53	53	485	26.42	458.58	511.42
20	295	9.93	285.07	304.93	54	516	48.65	467.35	564.65
21	299	10.34	288.66	309.34					
22	303	10.77	292.23	313.77					
23	307	11.17	295.83	318.17					
24	312	11.52	300.48	323.52					
25	317	11.84	305.16	328.84					
26	323	12.11	310.89	335.11					
27	328	12.32	315.68	340.32					
28	334	12.49	321.51	346.49					
29	340	12.59	327.41	352.59					
30	346	12.65	333.35	358.65					
31	352	12.65	339.35	364.65					
32	358	12.62	345.38	370.62					
33	364	12.51	351.49	376.51					

^ Truncated

Note that the test form is shared between 6-8B and 6-8C.

Table 6.6.3.3J

Raw Score to Proficiency Level Conversion: Writ 6-8C S401 Paper

Raw Score	Grade 6		Grade 7		Grade 8	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	0.1	1.0	0.1	1.0	0.1
1	1.5	0.0	1.4	0.0	1.3	0.0
2	1.6	0.0	1.5	0.0	1.4	0.0
3	1.7	0.1	1.6	0.1	1.5	0.0
4	1.7	0.1	1.7	0.1	1.6	0.1
5	1.8	0.1	1.7	0.1	1.6	0.1
6	1.8	0.1	1.8	0.1	1.7	0.0
7	1.9	0.1	1.8	0.1	1.7	0.0
8	1.9	0.1	1.8	0.1	1.7	0.0
9	1.9	0.1	1.9	0.1	1.8	0.1
10	1.9	0.2	1.9	0.2	1.8	0.2
11	2.0	0.2	1.9	0.2	1.8	0.1
12	2.1	0.5	1.9	0.3	1.9	0.2
13	2.2	0.7	2.0	0.5	1.9	0.3
14	2.3	0.6	2.1	0.5	1.9	0.3
15	2.3	0.9	2.1	0.8	1.9	0.6
16	2.4	0.6	2.2	0.4	2.0	0.5
17	2.5	0.5	2.3	0.3	2.1	0.3
18	2.6	0.5	2.4	0.4	2.2	0.2
19	2.7	0.9	2.5	0.4	2.3	0.3
20	2.9	0.6	2.6	0.3	2.4	0.2
21	3.0	1.0	2.8	0.8	2.6	0.4
22	3.0	1.2	2.9	0.9	2.7	0.5
23	3.1	1.4	3.0	1.0	2.8	0.6
24	3.2	2.5	3.1	1.5	3.0	1.0
25	3.3	3.6	3.1	2.5	3.0	1.7
26	3.3	3.0	3.2	2.2	3.1	1.8
27	3.4	6.6	3.3	5.3	3.2	3.6
28	3.5	6.9	3.4	5.2	3.3	4.3
29	3.6	5.4	3.5	4.7	3.4	3.6
30	3.7	12.5	3.6	11.2	3.5	9.4
31	3.8	9.7	3.7	8.9	3.6	8.2
32	3.9	5.8	3.8	6.4	3.7	6.2
33	4.0	11.2	3.9	12.1	3.8	12.5
34	4.1	7.4	4.0	8.4	3.9	9.5
35	4.2	4.5	4.1	6.4	4.0	7.6
36	4.3	5.7	4.2	8.4	4.1	10.2
37	4.4	1.7	4.3	2.8	4.2	4.3
38	4.5	1.1	4.4	2.2	4.3	3.2
39	4.6	1.1	4.5	2.0	4.4	3.4
40	4.7	0.3	4.6	0.7	4.5	1.4
41	4.8	0.3	4.7	0.5	4.6	1.0
42	4.9	0.2	4.8	0.4	4.7	0.8
43	5.0	0.1	4.9	0.2	4.8	0.4
44	5.1	0.0	4.9	0.1	4.8	0.3
45	5.3	0.0	5.0	0.1	4.9	0.2
46	5.5	0.0	5.2	0.1	5.0	0.1
47	5.6	0.0	5.3	0.0	5.2	0.0
48	5.8	0.0	5.5	0.0	5.3	0.1
49	6.0	0.0	5.7	0.0	5.5	0.0
50	6.0	0.0	5.9	0.0	5.6	0.0
51	6.0	0.0	6.0	0.0	5.9	0.0
52	6.0	0.0	6.0	0.0	6.0	0.0
53	6.0	0.0	6.0	0.0	6.0	0.0
54	6.0	0.0	6.0	0.0	6.0	0.0

Note that the test form is shared between 6-8B and 6-8C.

6.6.4 Speaking 6–8

6.6.4.1 Speaking 6–8A

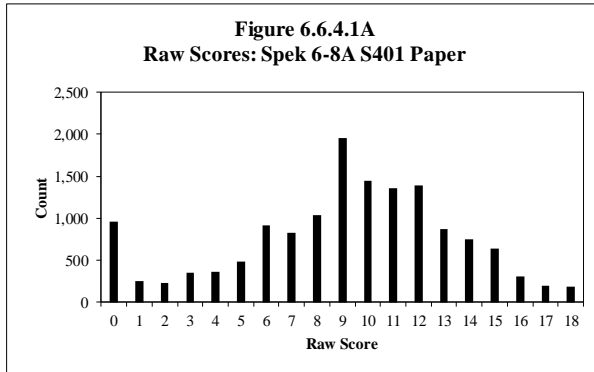


Table 6.6.4.1A

Raw Score Descriptive Statistics: Spek 6-8A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	4,998	0	18	9.01	4.30
7	4,788	0	18	9.07	4.26
8	4,696	0	18	9.19	4.23
Total	14,482	0	18	9.09	4.27

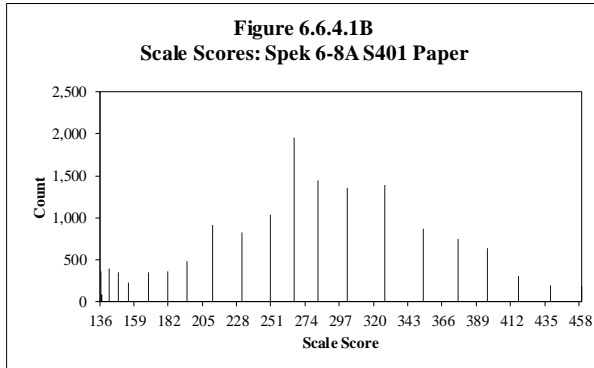


Table 6.6.4.1B

Scale Score Descriptive Statistics: Spek 6-8A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	4,998	136	459	274.10	77.90
7	4,788	142	459	275.51	76.96
8	4,696	148	459	278.07	76.15
Total	14,482	136	459	275.85	77.04

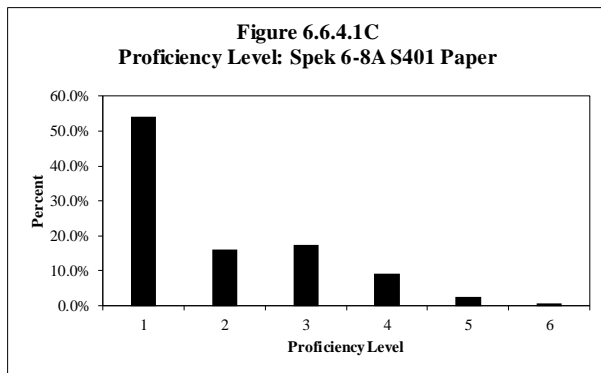


Table 6.6.4.1C
Proficiency Level Distribution: Spek 6-8A S401 Paper

Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	2,563	51.3%	2,457	51.3%	2,807	59.8%	7,827	54.0%
2	939	18.8%	938	19.6%	453	9.6%	2,330	16.1%
3	831	16.6%	686	14.3%	992	21.1%	2,509	17.3%
4	434	8.7%	577	12.1%	307	6.5%	1,318	9.1%
5	179	3.6%	65	1.4%	137	2.9%	381	2.6%
6	52	1.0%	65	1.4%	0	0.0%	117	0.8%
Total	4,998	100.0%	4,788	100.0%	4,696	100.0%	14,482	100.0%

Table 6.6.4.1D

Scaling Equation for Speaking

Speaking Scale Score = (Ability Measure in Logits*29.248) + 265.076
--

Table 6.6.4.1E

Equating Summary: Spek 6-8A S401 Paper

Comparison of Forms*	Form 401		Form 400			
	No. of Tasks	Average Difficulty (Std. Dev.)	No. of Tasks	Average Difficulty (Std. Dev.)		
	9	0.57 (2.85)	9	0.00 (3.21)		
	Easiest	Hardest	Easiest	Hardest		
-3.54	2.84	-4.30	3.06			
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)				
	9	0.57 (2.85)				
	No. of Anchors Used	Average Difficulty (Std. Dev.)				
	6	2.46 (0.32)				
	Percentage Anchors	Average Displacement				
67%	0.01					
Rating Scale Step Measures by Task	Anchored Scale Steps					
	Task	Step	Measure			
	PL 1 Tasks	1	0.56			
		2	-0.56			
	PL 3/PL 5 Tasks	1	-2.65			
		2	-1.80			
		3	1.46			
4		2.98				
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty		
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement
	14752	2.54	-0.19	14751	2.03	-0.11
	14751	2.03	-0.11	14504	2.10	-0.05
	14504	2.10	-0.05	14752	2.54	-0.19
	14757	2.64	0.00	14758	2.58	0.15
	14758	2.58	0.15	14757	2.64	0.00
	14505	2.84	0.23	14505	2.84	0.23

* No equating was performed for the previous series (S400).

Note that this table includes all tasks across tiers for this cluster.

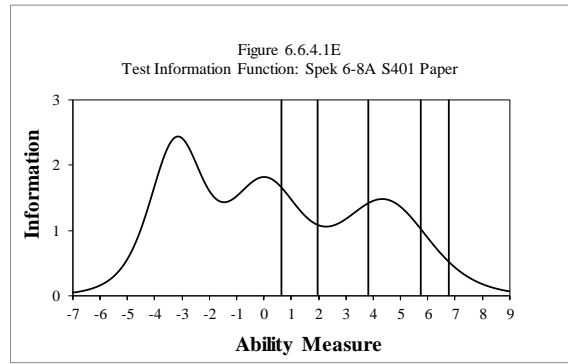
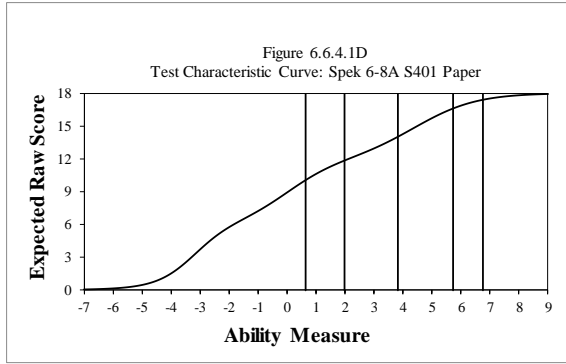


Table 6.6.4.1F
Reliability: Spek 6-8A S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
14,482	6	0.889	1.422

Table 6.6.4.1G

Complete Task Analysis and Summary: Spek 6-8A S401 Paper

Task Type	Average Task Difficulty (in logits)		No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square	
Constructed Response	0.57		12	0.67	0.60	
Name	Tier	Task Difficulty (in logits)	Anchored?	Fit Statistics		
				Infit Mnsq	Outfit Mnsq	
1.S68A_SI_PeerReviewing_401_14510_P1	A	-3.54		0.63	0.39	
2.S68A_SI_PeerReviewing_401_14511_P3	A*	2.10	Yes	0.79	0.84	
3.S68C_SI_PeerReviewing_401_14504_P3	B/C*	2.10	Yes	0.79	0.84	
4.S68C_SI_PeerReviewing_401_14505_P5	B/C	2.84	Yes	0.74	0.76	
5.S68A_LS_LuisRivera_401_14745_P1	A	-2.97		0.55	0.29	
6.S68A_LS_LuisRivera_401_14746_P3	A*	2.03	Yes	0.61	0.66	
7.S68C_LS_LuisRivera_401_14751_P3	B/C*	2.03	Yes	0.61	0.66	
8.S68C_LS_LuisRivera_401_V1_14752_P5	B/C	2.54	Yes	0.75	0.77	
9.S68A_MS_Pedometers_401_V1_14747_P1	A	-3.13		0.53	0.19	
10.S68A_MS_Pedometers_401_V1_14748_P3	A*	2.64	Yes	0.81	0.87	
11.S68C_MS_Pedometers_401_V1_14757_P3	B/C*	2.64	Yes	0.81	0.87	
12.S68C_MS_Pedometers_401_V2_14758_P5	B/C	2.58	Yes	0.63	0.65	
Raw Score Distribution by Task	Task	Raw Score				
		0	1	2	3	4
	Task 1	10.14%	13.16%	76.70%	N/A	N/A
	Task 2	4.70%	11.21%	24.22%	34.88%	25.00%
	Task 3	4.70%	11.21%	24.22%	34.88%	25.00%
	Task 4	3.08%	13.38%	31.21%	34.11%	18.22%
	Task 5	11.19%	14.81%	74.00%	N/A	N/A
	Task 6	5.42%	16.04%	30.79%	32.20%	15.54%
	Task 7	5.42%	16.04%	30.79%	32.20%	15.54%
	Task 8	2.59%	12.11%	28.85%	35.50%	20.96%
	Task 9	11.03%	14.65%	74.31%	N/A	N/A
	Task 10	8.29%	23.54%	28.83%	25.63%	13.71%
	Task 11	8.29%	23.54%	28.83%	25.63%	13.71%
Task 12	1.79%	10.37%	32.11%	36.54%	19.19%	

* Task is shared between A and B/C.

Note that this table includes all tasks across tiers for this cluster.

Table 6.6.4.1H

DIF Analysis and Summary: Spek 6-8A S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
DIF Level	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	2	4	4	2
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.S68A_14510_Slp1_PeerReviewing_401_S401_Paper	AA	F	AA	H
2.S68A_14511_Slp3_PeerReviewing_401_S401_Paper	AA	F	AA	O
3.S68A_14745_LSp1_LS_LuisRivera_401_S401_Paper	AA	F	AA	H
4.S68A_14746_LSp3_LS_LuisRivera_401_S401_Paper	AA	M	AA	H
5.S68A_14747_MSp1_Pedometers_401_V1_S401_Paper	AA	F	AA	H
6.S68A_14748_MSp3_Pedometers_401_V1_S401_Paper	AA	M	AA	O

Table 6.6.4.11

Raw Score to Scale Score Conversion: Spek 6-8A S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	148^	22.52	100.00^	130.52
1	148^	22.52	114.48	159.52
2	155	20.47	134.53	175.47
3	168	18.72	149.28	186.72
4	181	19.01	161.99	200.01
5	194	20.77	173.23	214.77
6	211	23.69	187.31	234.69
7	231	23.98	207.02	254.98
8	250	22.23	227.77	272.23
9	266	21.64	244.36	287.64
10	282	22.52	259.48	304.52
11	302	25.45	276.55	327.45
12	327	28.37	298.63	355.37
13	353	26.91	326.09	379.91
14	376	24.57	351.43	400.57
15	396	23.98	372.02	419.98
16	417	25.74	391.26	442.74
17	438*	30.42	414.58	475.42
18	459*	38.61	446.39	523.61

^ Truncated

* Adjusted for end of scale effect

Table 6.6.4.1J

Raw Score to Proficiency Level Conversion: Spek 6-8A S401 Paper

Raw Score	Grade 6		Grade 7		Grade 8	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	7.3	1.0	6.5	1.0	6.0
1	1.0	1.8	1.0	1.9	1.0	1.4
2	1.1	1.6	1.0	1.4	1.0	1.6
3	1.2	2.3	1.1	2.6	1.1	2.4
4	1.3	2.7	1.2	2.2	1.2	2.6
5	1.4	2.9	1.3	3.5	1.3	3.6
6	1.5	6.2	1.5	6.6	1.4	6.1
7	1.7	5.3	1.6	5.7	1.6	6.0
8	1.8	7.2	1.8	7.3	1.7	7.0
9	1.9	14.0	1.9	13.7	1.8	12.8
10	2.3	9.7	2.1	10.1	1.9	10.2
11	2.8	9.1	2.6	9.5	2.4	9.6
12	3.3	9.9	3.1	8.9	3.0	10.0
13	3.8	6.7	3.6	5.4	3.5	5.8
14	4.2	4.6	4.1	5.5	3.9	5.4
15	4.6	4.1	4.4	4.7	4.3	4.3
16	5.0	2.3	4.8	1.9	4.7	2.2
17	5.6	1.3	5.4	1.4	5.1	1.4
18	6.0	1.0	6.0	1.4	5.8	1.5

6.6.4.2 Speaking 6–8B

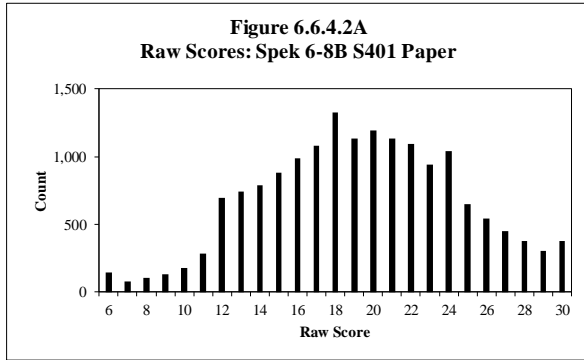


Table 6.6.4.2A

Raw Score Descriptive Statistics: Spek 6-8B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	5,469	6	30	19.07	4.96
7	5,709	6	30	19.38	5.15
8	5,439	6	30	19.49	5.32
Total	16,617	6	30	19.32	5.15

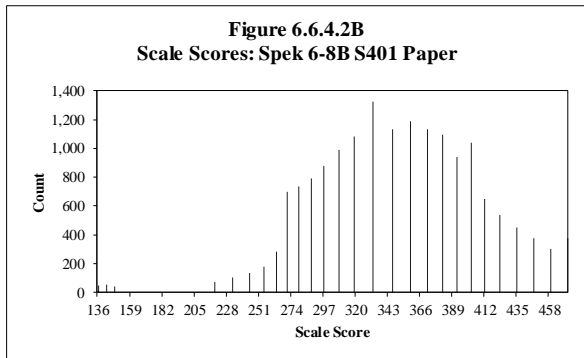


Table 6.6.4.2B

Scale Score Descriptive Statistics: Spek 6-8B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	5,469	136	471	346.14	57.29
7	5,709	142	471	349.58	59.49
8	5,439	148	471	351.08	60.68
Total	16,617	136	471	348.94	59.20

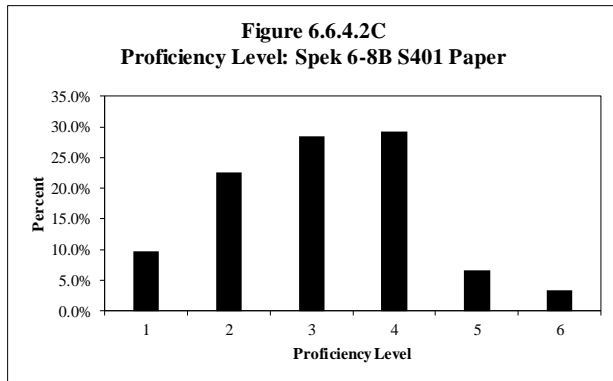


Table 6.6.4.2C
Proficiency Level Distribution: Spek 6-8B S401 Paper

Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	295	5.4%	549	9.6%	765	14.1%	1,609	9.7%
2	1,404	25.7%	1,127	19.7%	1,212	22.3%	3,743	22.5%
3	1,623	29.7%	1,628	28.5%	1,481	27.2%	4,732	28.5%
4	1,589	29.1%	1,883	33.0%	1,398	25.7%	4,870	29.3%
5	397	7.3%	282	4.9%	424	7.8%	1,103	6.6%
6	161	2.9%	240	4.2%	159	2.9%	560	3.4%
Total	5,469	100.0%	5,709	100.0%	5,439	100.0%	16,617	100.0%

Table 6.6.4.2D

Scaling Equation for Speaking

Speaking Scale Score = (Ability Measure in Logits*29.248) + 265.076
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Table 6.6.4.2E

Equating Summary: Spek 6-8B S401 Paper

Comparison of Forms*	Form 401			Form 400				
	No. of Tasks	Average Difficulty (Std. Dev.)		No. of Tasks	Average Difficulty (Std. Dev.)			
	9	0.57 (2.85)		9	0.00 (3.21)			
	Easiest	Hardest		Easiest	Hardest			
-3.54	2.84		-4.30	3.06				
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)						
	9	0.57 (2.85)						
	No. of Anchors Used	Average Difficulty (Std. Dev.)						
	6	2.46 (0.32)						
	Percentage Anchors	Average Displacement						
67%	0.01							
Rating Scale Step Measures by Task	Anchored Scale Steps							
	Task	Step	Measure					
	PL 1 Tasks	1	0.56					
		2	-0.56					
	PL 3/PL 5 Tasks	1	-2.65					
		2	-1.80					
		3	1.46					
4		2.98						
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty				
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement		
	14752	2.54	-0.19	14751	2.03	-0.11		
	14751	2.03	-0.11	14504	2.10	-0.05		
	14504	2.10	-0.05	14752	2.54	-0.19		
	14757	2.64	0.00	14758	2.58	0.15		
	14758	2.58	0.15	14757	2.64	0.00		
	14505	2.84	0.23	14505	2.84	0.23		

* No equating was performed for the previous series (S400).

Note that this table includes all tasks across tiers for this cluster.

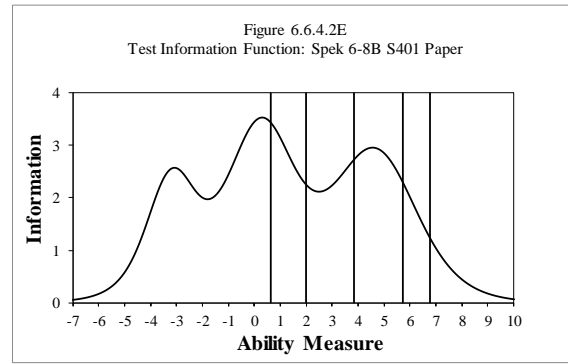
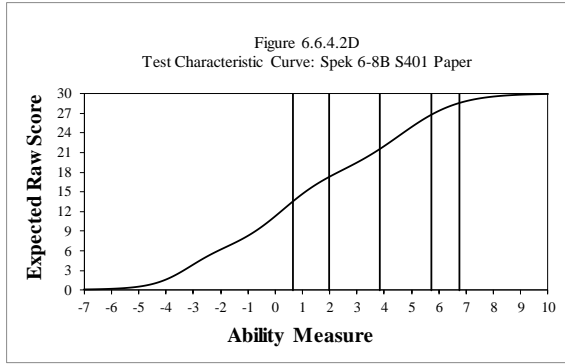


Table 6.6.4.2F

Reliability: Spek 6-8B S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
51,869	6	0.915	1.452

Note that the test form is shared between 6-8B and 6-8C.

Table 6.6.4.2G

Complete Task Analysis and Summary: Spek 6-8B S401 Paper

Task Type	Average Task Difficulty (in logits)	No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square		
Constructed Response	0.57	12	0.67	0.60		
Name	Tier	Task Difficulty (in logits)	Anchored?	Fit Statistics		
				Infit Mnsq	Outfit Mnsq	
1.S68A_SL_PeerReviewing_401_14510_P1	A	-3.54		0.63	0.39	
2.S68A_SL_PeerReviewing_401_14511_P3	A*	2.10	Yes	0.79	0.84	
3.S68C_SL_PeerReviewing_401_14504_P3	B/C*	2.10	Yes	0.79	0.84	
4.S68C_SL_PeerReviewing_401_14505_P5	B/C	2.84	Yes	0.74	0.76	
5.S68A_LS_LuisRivera_401_14745_P1	A	-2.97		0.55	0.29	
6.S68A_LS_LuisRivera_401_14746_P3	A*	2.03	Yes	0.61	0.66	
7.S68C_LS_LuisRivera_401_14751_P3	B/C*	2.03	Yes	0.61	0.66	
8.S68C_LS_LuisRivera_401_V1_14752_P5	B/C	2.54	Yes	0.75	0.77	
9.S68A_MS_Pedometers_401_V1_14747_P1	A	-3.13		0.53	0.19	
10.S68A_MS_Pedometers_401_V1_14748_P3	A*	2.64	Yes	0.81	0.87	
11.S68C_MS_Pedometers_401_V1_14757_P3	B/C*	2.64	Yes	0.81	0.87	
12.S68C_MS_Pedometers_401_V2_14758_P5	B/C	2.58	Yes	0.63	0.65	
Raw Score Distribution by Task	Raw Score					
	Task	0	1	2	3	4
	Task 1	10.14%	13.16%	76.70%	N/A	N/A
	Task 2	4.70%	11.21%	24.22%	34.88%	25.00%
	Task 3	4.70%	11.21%	24.22%	34.88%	25.00%
	Task 4	3.08%	13.38%	31.21%	34.11%	18.22%
	Task 5	11.19%	14.81%	74.00%	N/A	N/A
	Task 6	5.42%	16.04%	30.79%	32.20%	15.54%
	Task 7	5.42%	16.04%	30.79%	32.20%	15.54%
	Task 8	2.59%	12.11%	28.85%	35.50%	20.96%
	Task 9	11.03%	14.65%	74.31%	N/A	N/A
	Task 10	8.29%	23.54%	28.83%	25.63%	13.71%
	Task 11	8.29%	23.54%	28.83%	25.63%	13.71%
Task 12	1.79%	10.37%	32.11%	36.54%	19.19%	

* Task is shared between A and B/C.

Note that this table includes all tasks across tiers for this cluster.

Table 6.6.4.2H

DIF Analysis and Summary: Spek 6-8B S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
DIF Level	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	2	4	4	2
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.S68C_14504_Slp3_PeerReviewing_401_S401_Paper	AA	F	AA	H
2.S68C_14505_Slp5_PeerReviewing_401_S401_Paper	AA	F	AA	O
3.S68C_14751_LSp3_LuisRivera_401_V1_S401_Paper	AA	M	AA	H
4.S68C_14752_LSp5_LuisRivera_401_V1_S401_Paper	AA	F	AA	H
5.S68C_14757_MSp3_Pedometers_401_V2_S401_Paper	AA	M	AA	O
6.S68C_14758_MSp5_Pedometers_401_V2_S401_Paper	AA	F	AA	H

Note that the test form is shared between 6-8B and 6-8C.

Table 6.6.4.2I

Raw Score to Scale Score Conversion: Spek 6-8B S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
6	148 [^]	22.23	181.77	226.23
7	219	20.47	198.53	239.47
8	232	19.01	212.99	251.01
9	244	17.55	226.45	261.55
10	254	16.38	237.62	270.38
11	263	15.79	247.21	278.79
12	271	15.50	255.50	286.50
13	279	15.79	263.21	294.79
14	288	16.09	271.91	304.09
15	297	16.96	280.04	313.96
16	308	17.84	290.16	325.84
17	319	19.30	299.70	338.30
18	332	20.18	311.82	352.18
19	346	19.89	326.11	365.89
20	359	19.01	339.99	378.01
21	371	18.13	352.87	389.13
22	382	17.55	364.45	399.55
23	392	16.96	375.04	408.96
24	402	16.96	385.04	418.96
25	412	17.55	394.45	429.55
26	423	18.13	404.87	441.13
27	435	19.89	415.11	454.89
28	447 [*]	22.23	428.77	473.23
29	459 [*]	25.45	448.55	499.45
30	471 [*]	29.54	481.46	540.54

^ Truncated

* Adjusted for end of scale effect

Note that the test form is shared between 6-8B and 6-8C.

Table 6.6.4.2J

Raw Score to Proficiency Level Conversion: Spek 6-8B S401 Paper

Raw Score	Grade 6		Grade 7		Grade 8	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
6	1.0	0.8	1.0	1.0	1.0	0.8
7	1.6	0.3	1.5	0.4	1.5	0.6
8	1.7	0.7	1.6	0.4	1.6	0.8
9	1.8	0.8	1.7	0.7	1.7	0.9
10	1.8	0.9	1.8	1.3	1.7	1.0
11	1.9	1.9	1.8	1.5	1.8	1.7
12	2.0	4.2	1.9	4.4	1.9	3.9
13	2.2	4.3	2.0	4.6	1.9	4.4
14	2.4	5.0	2.2	4.6	2.1	4.7
15	2.6	5.7	2.5	5.1	2.3	5.1
16	2.9	6.4	2.7	5.4	2.6	6.1
17	3.1	6.8	3.0	6.3	2.8	6.5
18	3.4	8.1	3.2	8.2	3.1	7.6
19	3.7	7.4	3.5	6.6	3.4	6.5
20	3.9	7.4	3.8	7.4	3.6	6.6
21	4.1	7.0	4.0	6.8	3.8	6.6
22	4.3	6.8	4.2	6.9	4.0	6.1
23	4.5	5.5	4.4	5.8	4.2	5.7
24	4.7	5.9	4.5	6.3	4.4	6.5
25	4.9	3.9	4.7	3.9	4.6	4.0
26	5.1	3.0	4.9	3.3	4.8	3.5
27	5.5	2.4	5.3	2.8	5.0	3.0
28	5.8	1.9	5.6	2.2	5.4	2.7
29	6.0	1.4	6.0	1.9	5.8	2.1
30	6.0	1.6	6.0	2.3	6.0	2.9

Note that the test form is shared between 6-8B and 6-8C.

6.6.4.3 Speaking 6–8C

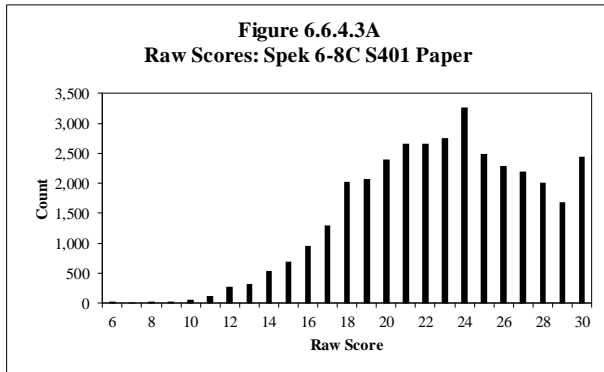


Table 6.6.4.3A

Raw Score Descriptive Statistics: Spek 6-8C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	13,473	6	30	22.19	4.48
7	10,948	6	30	22.80	4.45
8	10,831	6	30	23.57	4.41
Total	35,252	6	30	22.80	4.49

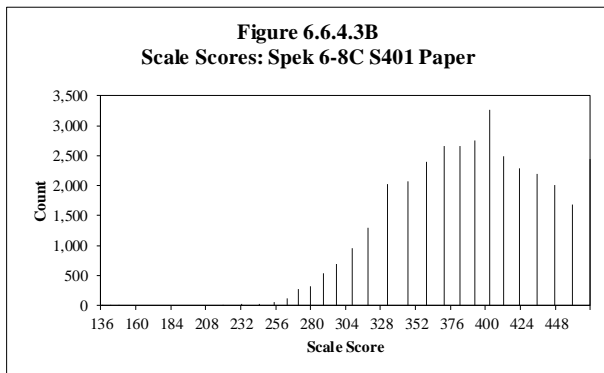


Table 6.6.4.3B

Scale Score Descriptive Statistics: Spek 6-8C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
6	13,473	136	471	381.72	50.93
7	10,948	142	471	388.66	50.57
8	10,831	148	471	397.31	50.02
Total	35,252	136	471	388.66	50.95

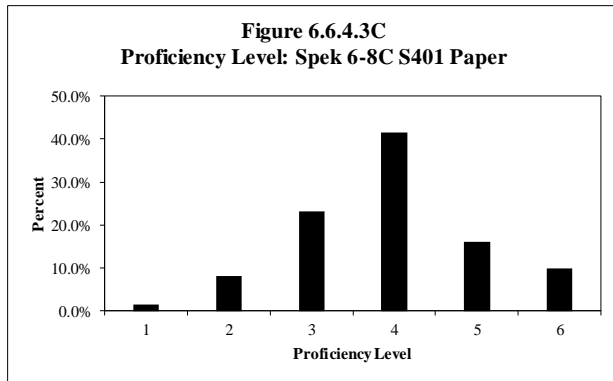


Table 6.6.4.3C
Proficiency Level Distribution: Spek 6-8C S401 Paper

Level	Grade 6		Grade 7		Grade 8		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	116	0.9%	175	1.6%	183	1.7%	474	1.3%
2	1,307	9.7%	729	6.7%	841	7.8%	2,877	8.2%
3	3,377	25.1%	2,428	22.2%	2,363	21.8%	8,168	23.2%
4	5,291	39.3%	5,083	46.4%	4,243	39.2%	14,617	41.5%
5	2,189	16.2%	1,267	11.6%	2,182	20.1%	5,638	16.0%
6	1,193	8.9%	1,266	11.6%	1,019	9.4%	3,478	9.9%
Total	13,473	100.0%	10,948	100.0%	10,831	100.0%	35,252	100.0%

Table 6.6.4.3D
Scaling Equation for Speaking

Speaking Scale Score = (Ability Measure in Logits*29.248) + 265.076
--

Table 6.6.4.3E
Equating Summary: Spek 6-8C S401 Paper

Comparison of Forms*	Form 401			Form 400				
	No. of Tasks	Average Difficulty (Std. Dev.)		No. of Tasks	Average Difficulty (Std. Dev.)			
	9	0.57 (2.85)		9	0.00 (3.21)			
	Easiest	Hardest		Easiest	Hardest			
-3.54	2.84		-4.30	3.06				
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)						
	9	0.57 (2.85)						
	No. of Anchors Used	Average Difficulty (Std. Dev.)						
	6	2.46 (0.32)						
	Percentage Anchors	Average Displacement						
67%	0.01							
Rating Scale Step Measures by Task	Anchored Scale Steps							
	Task	Step	Measure					
	PL 1 Tasks	1	0.56					
		2	-0.56					
	PL 3/PL 5 Tasks	1	-2.65					
		2	-1.80					
		3	1.46					
4		2.98						
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty				
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement		
	14752	2.54	-0.19	14751	2.03	-0.11		
	14751	2.03	-0.11	14504	2.10	-0.05		
	14504	2.10	-0.05	14752	2.54	-0.19		
	14757	2.64	0.00	14758	2.58	0.15		
	14758	2.58	0.15	14757	2.64	0.00		
	14505	2.84	0.23	14505	2.84	0.23		

* No equating was performed for the previous series (S400).
Note that this table includes all tasks across tiers for this cluster.

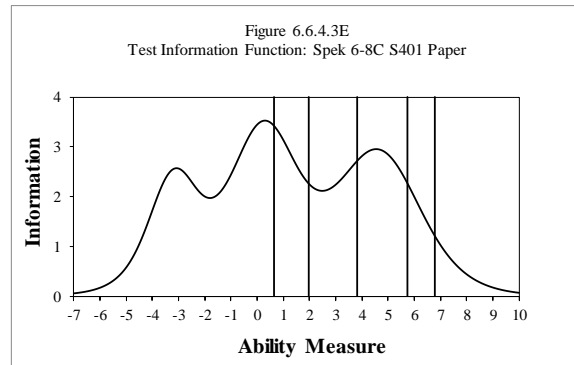
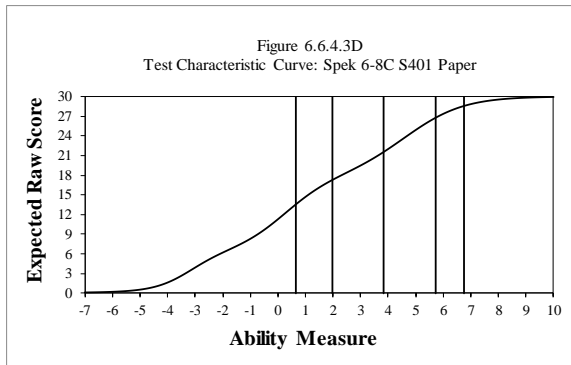


Table 6.6.4.3F

Reliability: Spek 6-8C S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
51,869	6	0.915	1.452

Note that the test form is shared between 6-8B and 6-8C.

Table 6.6.4.3G

Complete Task Analysis and Summary: Spek 6-8C S401 Paper

Task Type	Average Task Difficulty (in logits)		No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square	
Constructed Response	0.57		12	0.67	0.60	
Name	Tier	Task Difficulty (in logits)	Anchored?	Fit Statistics		
				Infit Mnsq	Outfit Mnsq	
1.S68A_SI_PeerReviewing_401_14510_P1	A	-3.54		0.63	0.39	
2.S68A_SI_PeerReviewing_401_14511_P3	A*	2.10	Yes	0.79	0.84	
3.S68C_SI_PeerReviewing_401_14504_P3	B/C*	2.10	Yes	0.79	0.84	
4.S68C_SI_PeerReviewing_401_14505_P5	B/C	2.84	Yes	0.74	0.76	
5.S68A_LS_LuisRivera_401_14745_P1	A	-2.97		0.55	0.29	
6.S68A_LS_LuisRivera_401_14746_P3	A*	2.03	Yes	0.61	0.66	
7.S68C_LS_LuisRivera_401_14751_P3	B/C*	2.03	Yes	0.61	0.66	
8.S68C_LS_LuisRivera_401_V1_14752_P5	B/C	2.54	Yes	0.75	0.77	
9.S68A_MS_Pedometers_401_V1_14747_P1	A	-3.13		0.53	0.19	
10.S68A_MS_Pedometers_401_V1_14748_P3	A*	2.64	Yes	0.81	0.87	
11.S68C_MS_Pedometers_401_V1_14757_P3	B/C*	2.64	Yes	0.81	0.87	
12.S68C_MS_Pedometers_401_V2_14758_P5	B/C	2.58	Yes	0.63	0.65	
Raw Score Distribution by Task	Task	Raw Score				
		0	1	2	3	4
	Task 1	10.14%	13.16%	76.70%	N/A	N/A
	Task 2	4.70%	11.21%	24.22%	34.88%	25.00%
	Task 3	4.70%	11.21%	24.22%	34.88%	25.00%
	Task 4	3.08%	13.38%	31.21%	34.11%	18.22%
	Task 5	11.19%	14.81%	74.00%	N/A	N/A
	Task 6	5.42%	16.04%	30.79%	32.20%	15.54%
	Task 7	5.42%	16.04%	30.79%	32.20%	15.54%
	Task 8	2.59%	12.11%	28.85%	35.50%	20.96%
	Task 9	11.03%	14.65%	74.31%	N/A	N/A
	Task 10	8.29%	23.54%	28.83%	25.63%	13.71%
	Task 11	8.29%	23.54%	28.83%	25.63%	13.71%
Task 12	1.79%	10.37%	32.11%	36.54%	19.19%	

* Task is shared between A and B/C.

Note that this table includes all tasks across tiers for this cluster.

Table 6.6.4.3H

DIF Analysis and Summary: Spek 6-8C S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
DIF Level	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	2	4	4	2
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.S68C_14504_Slp3_PeerReviewing_401_S401_Paper	AA	F	AA	H
2.S68C_14505_Slp5_PeerReviewing_401_S401_Paper	AA	F	AA	O
3.S68C_14751_LSp3_LuisRivera_401_V1_S401_Paper	AA	M	AA	H
4.S68C_14752_LSp5_LuisRivera_401_V1_S401_Paper	AA	F	AA	H
5.S68C_14757_MSp3_Pedometers_401_V2_S401_Paper	AA	M	AA	O
6.S68C_14758_MSp5_Pedometers_401_V2_S401_Paper	AA	F	AA	H

Note that the test form is shared between 6-8B and 6-8C.

Table 6.6.4.3I

Raw Score to Scale Score Conversion: Spek 6-8C S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
6	148 [^]	22.23	181.77	226.23
7	219	20.47	198.53	239.47
8	232	19.01	212.99	251.01
9	244	17.55	226.45	261.55
10	254	16.38	237.62	270.38
11	263	15.79	247.21	278.79
12	271	15.50	255.50	286.50
13	279	15.79	263.21	294.79
14	288	16.09	271.91	304.09
15	297	16.96	280.04	313.96
16	308	17.84	290.16	325.84
17	319	19.30	299.70	338.30
18	332	20.18	311.82	352.18
19	346	19.89	326.11	365.89
20	359	19.01	339.99	378.01
21	371	18.13	352.87	389.13
22	382	17.55	364.45	399.55
23	392	16.96	375.04	408.96
24	402	16.96	385.04	418.96
25	412	17.55	394.45	429.55
26	423	18.13	404.87	441.13
27	435	19.89	415.11	454.89
28	447*	22.23	428.77	473.23
29	459*	25.45	448.55	499.45
30	471*	29.54	481.46	540.54

^ Truncated

* Adjusted for end of scale effect

Note that the test form is shared between 6-8B and 6-8C.

Table 6.6.4.3J

Raw Score to Proficiency Level Conversion: Spek 6-8C S401 Paper

Raw Score	Grade 6		Grade 7		Grade 8	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
6	1.0	0.1	1.0	0.1	1.0	0.0
7	1.6	0.1	1.5	0.0	1.5	0.0
8	1.7	0.1	1.6	0.1	1.6	0.1
9	1.8	0.1	1.7	0.1	1.7	0.1
10	1.8	0.2	1.8	0.2	1.7	0.1
11	1.9	0.4	1.8	0.3	1.8	0.2
12	2.0	0.9	1.9	0.8	1.9	0.5
13	2.2	1.2	2.0	0.9	1.9	0.6
14	2.4	2.0	2.2	1.4	2.1	1.1
15	2.6	2.3	2.5	1.8	2.3	1.6
16	2.9	3.3	2.7	2.6	2.6	2.1
17	3.1	4.3	3.0	3.6	2.8	2.9
18	3.4	6.7	3.2	5.7	3.1	4.6
19	3.7	6.7	3.5	5.8	3.4	4.9
20	3.9	7.4	3.8	7.0	3.6	5.8
21	4.1	8.3	4.0	7.6	3.8	6.6
22	4.3	7.5	4.2	8.0	4.0	7.1
23	4.5	8.0	4.4	7.6	4.2	7.7
24	4.7	8.9	4.5	9.5	4.4	9.6
25	4.9	6.6	4.7	7.2	4.6	7.4
26	5.1	5.8	4.9	6.4	4.8	7.3
27	5.5	5.4	5.3	6.0	5.0	7.4
28	5.8	5.0	5.6	5.6	5.4	6.7
29	6.0	3.8	6.0	4.8	5.8	6.0
30	6.0	5.1	6.0	6.8	6.0	9.4

Note that the test form is shared between 6-8B and 6-8C.

6.7 Grades: 9–12

6.7.1 Listening 9–12

6.7.1.1 Listening 9–12A

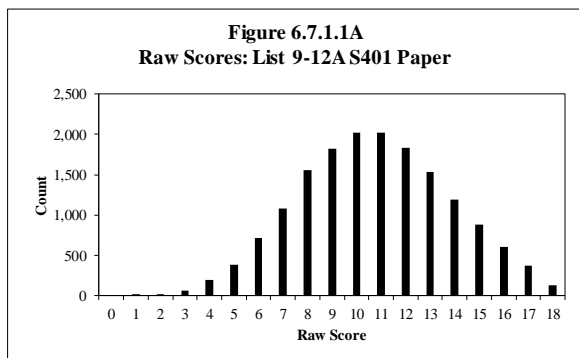


Table 6.7.1.1A

Raw Score Descriptive Statistics: List 9-12A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	7,005	0	18	10.24	3.09
10	4,640	1	18	10.86	3.03
11	3,399	0	18	11.21	3.01
12	1,392	0	18	11.54	2.94
Total	16,436	0	18	10.73	3.08

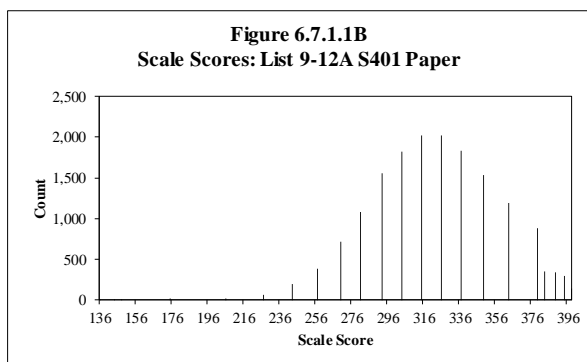


Table 6.7.1.1B

Scale Score Descriptive Statistics: List 9-12A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	7,005	136	383	317.71	35.62
10	4,640	175	389	325.10	35.20
11	3,399	144	394	329.66	35.91
12	1,392	148	398	333.84	35.86
Total	16,436	136	398	323.63	36.02

Note: Scale scores capped at proficiency level 4.0

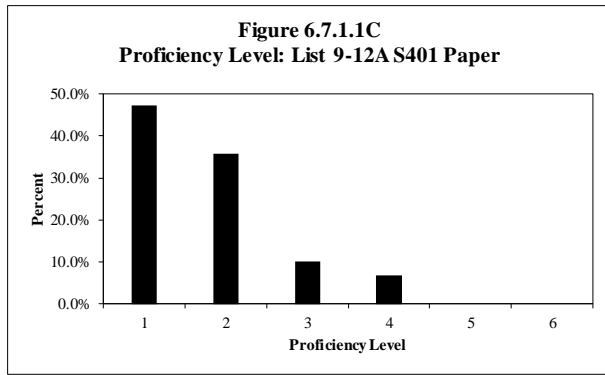


Table 6.7.1.1C

Proficiency Level Distribution: List 9-12A S401 Paper

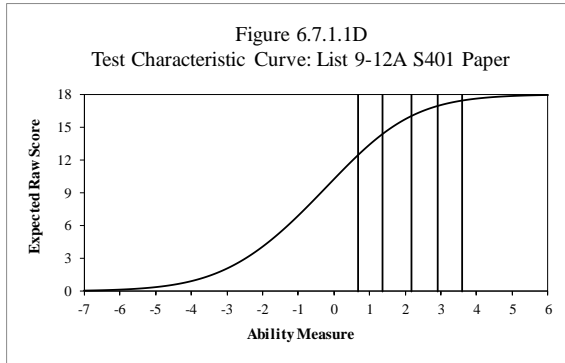
Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	2,910	41.5%	2,142	46.2%	1,841	54.2%	877	63.0%	7,770	47.3%
2	3,005	42.9%	1,577	34.0%	1,033	30.4%	279	20.0%	5,894	35.9%
3	746	10.6%	586	12.6%	231	6.8%	102	7.3%	1,665	10.1%
4	344	4.9%	335	7.2%	294	8.6%	134	9.6%	1,107	6.7%
5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total	7,005	100.0%	4,640	100.0%	3,399	100.0%	1,392	100.0%	16,436	100.0%

Note: Scale scores capped at proficiency level 4.0

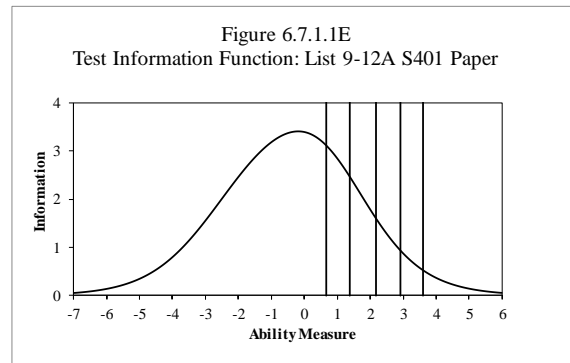
Table 6.7.1.1D
Scaling Equation for Listening

$$\text{Listening Scale Score} = (\text{Ability Measure in Logits} * 37.571) + 316.637$$

Table 6.7.1.1E
Equating Summary: List 9-12A S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 4.0



Note: Scale scores capped at proficiency level 4.0

Table 6.7.1.1F
Reliability: List 9-12A S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
16,436	18	0.660	1.793

Table 6.7.1.1G

Complete Item Analysis and Summary: List 9-12A S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	-0.37	1.00	0.97
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.L91A_9559_SIp1_Computers_302_S401_Paper	1.03	1.06	1.12
2.L91A_9560_SIp2_Computers_302_S401_Paper	-1.38	0.89	0.77
3.L91A_9561_SIp3_Computers_302_S401_Paper	1.76	1.03	1.15
4.L91A_10723_LAp1_Garden_302_S401_Paper	-1.46	0.91	0.82
5.L91A_10726_LAp2_Garden_302_S401_Paper	-0.34	1.00	0.98
6.L91A_10733_LAp3_Garden_302_S401_Paper	0.44	1.02	1.04
7.L91A_7081_MAp2_Blocks_203_S401_Paper	-2.48	0.91	0.71
8.L91A_7082_MAp3_Blocks_203_S401_Paper	-0.51	1.02	1.08
9.L91A_7083_MAp4_Blocks_203_S401_Paper	1.33	1.14	1.22
10.L91A_6806_SCp1_Adaptations_203_S401_Paper	0.24	0.97	0.96
11.L91A_6807_SCp2_Adaptations_203_S401_Paper	-2.62	0.96	0.78
12.L91A_6808_SCp3_Adaptations_203_S401_Paper	0.18	1.05	1.06
13.L91A_10669_SSp1_Canada_302_S401_Paper	-1.01	0.98	0.94
14.L91A_10672_SSp2_Canada_302_S401_Paper	-1.97	0.95	0.83
15.L91A_10684_SSp3_Canada_302_S401_Paper	0.77	1.14	1.24
16.L91A_5454_SIp2_SoccerPractice_ReYoPrMo_S401_Paper	-1.29	0.98	0.94
17.L91A_5455_SIp3_SoccerPractice_ReYoPrMo_S401_Paper	0.13	0.91	0.88
18.L91A_5456_SIp4_SoccerPractice_ReYoPrMo_S401_Paper	0.59	1.00	1.02

* No equating was performed for S303 and S401. Information on anchored items and their P-values can be found in S302 Annual Technical Report, Table H.

Table 6.7.1.1H

DIF Analysis and Summary: List 9-12A S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	9	9	7	7
B	0	0	2	1
C	0	0	0	1
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.L91A_9559_SIp1_Computers_302_S401_Paper	A	M	A	O
2.L91A_9560_SIp2_Computers_302_S401_Paper	A	F	A	H
3.L91A_9561_SIp3_Computers_302_S401_Paper	A	M	A	O
4.L91A_10723_LAp1_Garden_302_S401_Paper	A	F	A	O
5.L91A_10726_LAp2_Garden_302_S401_Paper	A	M	A	O
6.L91A_10733_LAp3_Garden_302_S401_Paper	A	F	A	O
7.L91A_7081_MAp2_Blocks_203_S401_Paper	A	M	A	H
8.L91A_7082_MAp3_Blocks_203_S401_Paper	A	F	A	H
9.L91A_7083_MAp4_Blocks_203_S401_Paper	A	F	A	H
10.L91A_6806_SCP1_Adaptations_203_S401_Paper	A	M	A	H
11.L91A_6807_SCP2_Adaptations_203_S401_Paper	A	F	B	H
12.L91A_6808_SCP3_Adaptations_203_S401_Paper	A	M	A	O
13.L91A_10669_SSp1_Canada_302_S401_Paper	A	F	B	O
14.L91A_10672_SSp2_Canada_302_S401_Paper	A	M	A	O
15.L91A_10684_SSp3_Canada_302_S401_Paper	A	M	A	H
16.L91A_5454_SIp2_SoccerPractice_ReYoPrMo_S401_Paper	A	F	B	H
17.L91A_5455_SIp3_SoccerPractice_ReYoPrMo_S401_Paper	A	F	C	O
18.L91A_5456_SIp4_SoccerPractice_ReYoPrMo_S401_Paper	A	M	A	H

Table 6.7.1.II

Raw Score to Scale Score Conversion: List 9-12A S401 Paper

Raw Score	Scale Score				CSEM	Low Bound	High Bound
	Grade 9	Grade 10	Grade 11	Grade 12			
0	136^	140^	144^	148^	53.73	100.00^	179.73
1	175	175	175	175	40.10	134.90	215.10
2	206	206	206	206	30.09	175.91	236.09
3	227	227	227	227	25.95	201.05	252.95
4	243	243	243	243	23.68	219.32	266.68
5	257	257	257	257	22.27	234.73	279.27
6	270	270	270	270	21.36	248.64	291.36
7	281	281	281	281	20.76	260.24	301.76
8	293	293	293	293	20.41	272.59	313.41
9	304	304	304	304	20.26	283.74	324.26
10	315	315	315	315	20.30	294.70	335.30
11	326	326	326	326	20.55	305.45	346.55
12	337	337	337	337	21.05	315.95	358.05
13	349	349	349	349	21.90	327.10	370.90
14	363	363	363	363	23.28	339.72	386.28
15	379	379	379	379	25.54	353.46	404.54
16							
17	383*	389**	394***	398****	29.68*****	369.31*****	428.68*****
18							

^ Truncated

* Applies to all capped grade 9 scores

** Applies to all capped grade 10 scores

*** Applies to all capped grade 11 scores

**** Applies to all capped grade 12 scores

***** Applies to all capped grade 9, 10, 11, and 12 scores

Table 6.7.1.1J

Raw Score to Proficiency Level Conversion: List 9-12A S401 Paper

Raw Score	Grade 9		Grade 10		Grade 11		Grade 12	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	0.0	1.0	0.0	1.0	0.1	1.0	0.1
1	1.2	0.1	1.1	0.1	1.1	0.1	1.1	0.0
2	1.3	0.2	1.3	0.1	1.3	0.1	1.2	0.1
3	1.5	0.5	1.4	0.3	1.4	0.2	1.4	0.1
4	1.6	1.7	1.5	0.9	1.5	0.6	1.4	0.5
5	1.6	3.2	1.6	2.0	1.5	1.4	1.5	1.1
6	1.7	5.5	1.7	4.1	1.6	3.3	1.6	1.9
7	1.8	8.3	1.7	5.8	1.7	5.0	1.6	4.3
8	1.8	10.5	1.8	9.3	1.7	8.6	1.7	6.6
9	1.9	11.5	1.8	12.1	1.8	9.8	1.8	9.3
10	2.0	12.8	1.9	11.5	1.8	12.2	1.8	12.3
11	2.3	11.3	2.0	12.7	1.9	12.8	1.9	14.9
12	2.5	10.6	2.3	10.6	2.0	12.7	1.9	11.8
13	2.8	8.1	2.7	10.6	2.4	9.7	2.2	10.2
14	3.3	6.1	3.1	7.6	2.9	8.0	2.8	9.8
15	3.8	4.6	3.6	5.0	3.5	6.8	3.3	7.3
16	4.0*	2.7	4.0*	3.8	4.0*	5.1	4.0*	5.0
17	4.0*	1.7	4.0*	2.6	4.0*	2.4	4.0*	3.2
18	4.0*	0.5	4.0*	0.9	4.0*	1.1	4.0*	1.4

* Capped

6.7.1.2 Listening 9–12B

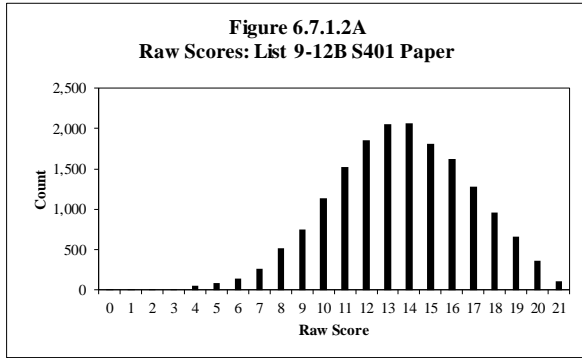


Table 6.7.1.2A

Raw Score Descriptive Statistics: List 9-12B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	5,461	0	21	13.73	3.24
10	4,932	1	21	13.51	3.26
11	4,098	1	21	13.54	3.22
12	2,764	3	21	13.55	3.25
Total	17,255	0	21	13.59	3.24

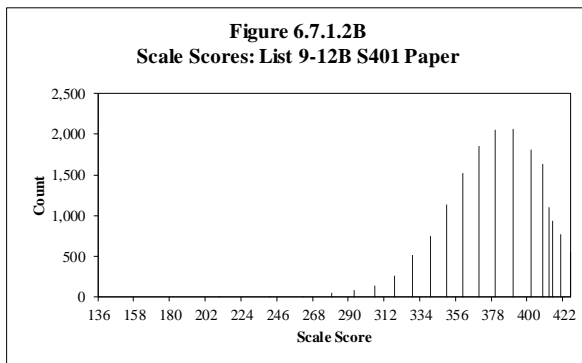


Table 6.7.1.2B

Scale Score Descriptive Statistics: List 9-12B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	5,461	136	409	382.82	27.24
10	4,932	210	415	382.33	29.18
11	4,098	210	420	383.68	30.02
12	2,764	262	426	384.94	31.49
Total	17,255	136	426	383.23	29.18

Note: Scale scores capped at proficiency level 5.0

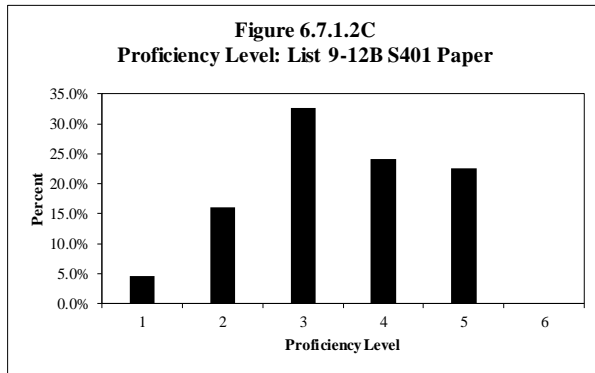


Table 6.7.1.2C

Proficiency Level Distribution: List 9-12B S401 Paper

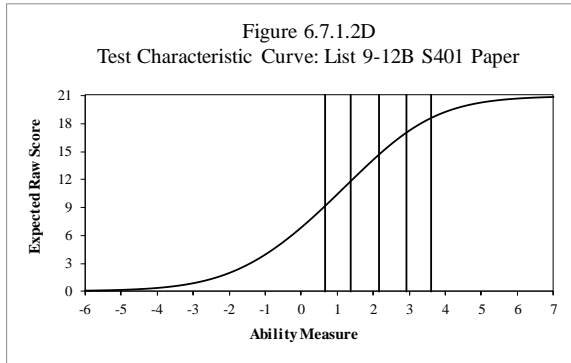
Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	95	1.7%	164	3.3%	240	5.9%	289	10.5%	788	4.6%
2	764	14.0%	699	14.2%	838	20.4%	469	17.0%	2,770	16.1%
3	1,656	30.3%	1,613	32.7%	1,445	35.3%	922	33.4%	5,636	32.7%
4	1,308	24.0%	1,517	30.8%	804	19.6%	533	19.3%	4,162	24.1%
5	1,638	30.0%	939	19.0%	771	18.8%	551	19.9%	3,899	22.6%
6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total	5,461	100.0%	4,932	100.0%	4,098	100.0%	2,764	100.0%	17,255	100.0%

Note: Scale scores capped at proficiency level 5.0

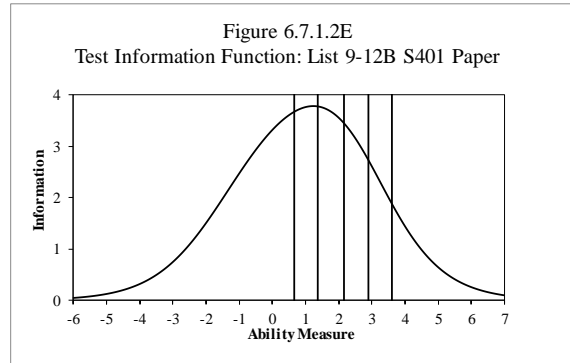
Table 6.7.1.2D
Scaling Equation for Listening

$$\text{Listening Scale Score} = (\text{Ability Measure in Logits} * 37.571) + 316.637$$

Table 6.7.1.2E
Equating Summary: List 9-12B S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 5.0



Note: Scale scores capped at proficiency level 5.0

Table 6.7.1.2F
Reliability: List 9-12B S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
17,255	21	0.667	1.872

Table 6.7.1.2G

Complete Item Analysis and Summary: List 9-12B S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	0.97	0.99	0.97
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.L91B_5454_SIp2_SoccerPractice_ReYoPrMo_S401_Paper	-0.78	0.95	0.79
2.L91B_5455_SIp3_SoccerPractice_ReYoPrMo_S401_Paper	-0.52	0.93	0.89
3.L91B_5456_SIp4_SoccerPractice_ReYoPrMo_S401_Paper	1.38	0.98	0.95
4.L91B_10763_LAp2_Promises_302_S401_Paper	-0.33	0.92	0.83
5.L91B_10789_LAp3_Promises_302_S401_Paper	-1.11	0.96	0.85
6.L91B_10790_LAp4_Promises_302_S401_Paper	2.40	1.07	1.15
7.L91B_7081_MAp2_Blocks_203_S401_Paper	-1.75	0.93	0.64
8.L91B_7082_MAp3_Blocks_203_S401_Paper	0.30	1.00	0.99
9.L91B_7083_MAp4_Blocks_203_S401_Paper	2.57	1.02	1.06
10.L91B_7128_SCp2_Dragonfly_203_S401_Paper	0.22	0.96	0.91
11.L91B_7129_SCp3_Dragonfly_203_S401_Paper	2.33	0.96	0.99
12.L91B_7130_SCp4_Dragonfly_203_S401_Paper	3.00	1.07	1.20
13.L91B_10760_SSp2_Computers_302_S401_Paper	-0.33	0.92	0.78
14.L91B_10761_SSp3_Computers_302_S401_Paper	1.45	1.06	1.08
15.L91B_10762_SSp4_Computers_302_S401_Paper	1.53	0.96	0.94
16.L91B_10693_LAp3_Diamante_302_S401_Paper	2.23	1.01	1.04
17.L91B_10694_LAp4_Diamante_302_S401_Paper	1.10	1.00	0.99
18.L91B_10695_LAp5_Diamante_302_S401_Paper	2.35	1.04	1.07
19.L91B_7820_MAp3_RoadTrip_203_S401_Paper	1.10	1.06	1.12
20.L91B_7841_MAp4_RoadTrip_203_S401_Paper	2.39	1.10	1.17
21.L91B_7842_MAp5_RoadTrip_203_S401_Paper	0.82	0.93	0.88

* No equating was performed for S303 and S401. Information on anchored items and their P-values can be found in S302 Annual Technical Report, Table H.

Table 6.7.1.2H

DIF Analysis and Summary: List 9-12B S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	7	13	7	11
B	1	0	2	1
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.L91B_5454_SIp2_SoccerPractice_ReYoPrMo_S401_Paper	A	F	B	H
2.L91B_5455_SIp3_SoccerPractice_ReYoPrMo_S401_Paper	A	F	B	O
3.L91B_5456_SIp4_SoccerPractice_ReYoPrMo_S401_Paper	B	M	A	O
4.L91B_10763_LAp2_Promises_302_S401_Paper	A	F	A	O
5.L91B_10789_LAp3_Promises_302_S401_Paper	A	F	A	O
6.L91B_10790_LAp4_Promises_302_S401_Paper	A	M	A	O
7.L91B_7081_MAp2_Blocks_203_S401_Paper	A	F	A	H
8.L91B_7082_MAp3_Blocks_203_S401_Paper	A	F	A	H
9.L91B_7083_MAp4_Blocks_203_S401_Paper	A	F	A	H
10.L91B_7128_ScP2_Dragonfly_203_S401_Paper	A	M	A	O
11.L91B_7129_ScP3_Dragonfly_203_S401_Paper	A	M	A	O
12.L91B_7130_ScP4_Dragonfly_203_S401_Paper	A	M	A	H
13.L91B_10760_SSp2_Computers_302_S401_Paper	A	M	A	O
14.L91B_10761_SSp3_Computers_302_S401_Paper	A	F	A	H
15.L91B_10762_SSp4_Computers_302_S401_Paper	A	M	A	O
16.L91B_10693_LAp3_Diamante_302_S401_Paper	A	F	A	O
17.L91B_10694_LAp4_Diamante_302_S401_Paper	A	F	A	H
18.L91B_10695_LAp5_Diamante_302_S401_Paper	A	M	B	H
19.L91B_7820_MAp3_RoadTrip_203_S401_Paper	A	F	A	H
20.L91B_7841_MAp4_RoadTrip_203_S401_Paper	A	F	A	O
21.L91B_7842_MAp5_RoadTrip_203_S401_Paper	A	F	A	O

Table 6.7.1.2I

Raw Score to Scale Score Conversion: List 9-12B S401 Paper

Raw Score	Scale Score				CSEM	Low Bound	High Bound
	Grade 9	Grade 10	Grade 11	Grade 12			
0	136^	140^	144^	148^	82.28	100.00^	243.28
1	210	210	210	210	40.24	169.76	250.24
2	241	241	241	241	30.27	210.73	271.27
3	262	262	262	262	26.16	235.84	288.16
4	279	279	279	279	23.89	255.11	302.89
5	293	293	293	293	22.45	270.55	315.45
6	306	306	306	306	21.46	284.54	327.46
7	318	318	318	318	20.75	297.25	338.75
8	329	329	329	329	20.22	308.78	349.22
9	340	340	340	340	19.85	320.15	359.85
10	350	350	350	350	19.59	330.41	369.59
11	360	360	360	360	19.47	340.53	379.47
12	370	370	370	370	19.46	350.54	389.46
13	380	380	380	380	19.61	360.39	399.61
14	391	391	391	391	19.93	371.07	410.93
15	402	402	402	402	20.48	381.52	422.48
16	409*	413	413	413	21.35*	391.64*	434.35*
17		415**	420***	426	22.74*****	403.25*****	448.74*****
18				426****	22.91****	418.08****	463.91****
19							
20							
21							

^ Truncated

* Applies to all capped grade 9 scores

** Applies to all capped grade 10 scores

*** Applies to all capped grade 11 scores

**** Applies to all capped grade 12 scores

***** Applies to all capped grade 10 and 11 scores

Table 6.7.1.2J

Raw Score to Proficiency Level Conversion: List 9-12B S401 Paper

Raw Score	Grade 9		Grade 10		Grade 11		Grade 12	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0
1	1.4	0.0	1.3	0.0	1.3	0.0	1.3	0.0
2	1.5	0.0	1.5	0.1	1.5	0.1	1.4	0.0
3	1.7	0.1	1.6	0.1	1.6	0.0	1.5	0.1
4	1.8	0.3	1.7	0.3	1.7	0.2	1.6	0.2
5	1.8	0.5	1.8	0.4	1.7	0.5	1.7	0.5
6	1.9	0.8	1.8	0.9	1.8	0.9	1.8	0.6
7	2.1	1.4	1.9	1.6	1.9	1.3	1.8	1.7
8	2.3	2.8	2.1	3.1	1.9	2.9	1.9	3.1
9	2.6	3.8	2.4	4.7	2.1	4.7	1.9	4.3
10	2.9	6.0	2.7	6.3	2.5	7.2	2.3	7.3
11	3.2	8.4	3.0	9.1	2.8	8.6	2.6	9.7
12	3.5	9.8	3.3	11.3	3.2	11.1	3.0	11.3
13	3.9	12.2	3.7	12.4	3.5	11.7	3.4	10.7
14	4.3	12.4	4.0	11.5	3.9	12.4	3.7	11.4
15	4.7	11.6	4.5	10.2	4.3	9.9	4.1	9.9
16	5.0*	9.6	4.9	9.0	4.7	9.7	4.5	9.4
17	5.0*	7.8	5.0*	7.3	5.0*	7.0	5.0	7.5
18	5.0*	5.5	5.0*	5.1	5.0*	5.7	5.0*	6.2
19	5.0*	4.2	5.0*	4.0	5.0*	3.4	5.0*	3.5
20	5.0*	2.1	5.0*	1.9	5.0*	2.2	5.0*	2.3
21	5.0*	0.8	5.0*	0.7	5.0*	0.5	5.0*	0.4

* Capped

6.7.1.3 Listening 9–12C

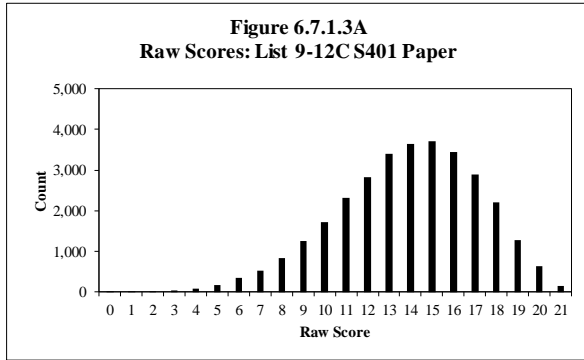


Table 6.7.1.3A

Raw Score Descriptive Statistics: List 9-12C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	10,025	2	21	13.98	3.15
10	8,638	2	21	13.89	3.32
11	7,163	1	21	13.91	3.35
12	5,585	0	21	13.61	3.38
Total	31,411	0	21	13.87	3.29

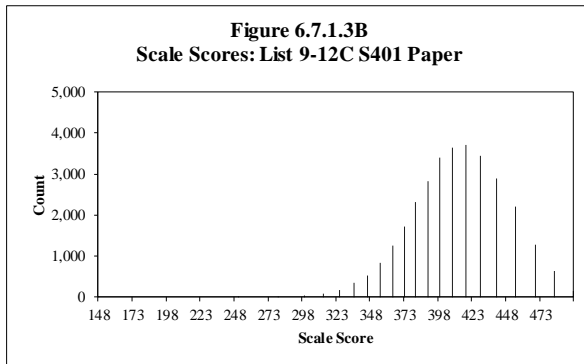


Table 6.7.1.3B

Scale Score Descriptive Statistics: List 9-12C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	10,025	280	497	410.81	32.17
10	8,638	280	497	410.10	33.90
11	7,163	251	497	410.42	34.23
12	5,585	148	497	407.29	34.32
Total	31,411	148	497	409.90	33.53

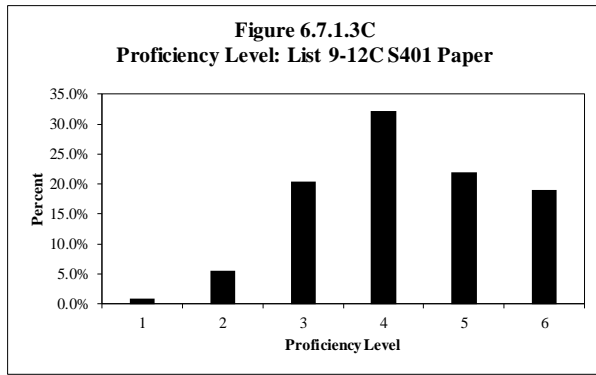


Table 6.7.1.3C
Proficiency Level Distribution: List 9-12C S401 Paper

Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	31	0.3%	38	0.4%	58	0.8%	139	2.5%	266	0.8%
2	263	2.6%	525	6.1%	416	5.8%	548	9.8%	1,752	5.6%
3	1,848	18.4%	1,424	16.5%	1,848	25.8%	1,298	23.2%	6,418	20.4%
4	3,256	32.5%	2,696	31.2%	2,345	32.7%	1,824	32.7%	10,121	32.2%
5	2,413	24.1%	1,962	22.7%	1,441	20.1%	1,081	19.4%	6,897	22.0%
6	2,214	22.1%	1,993	23.1%	1,055	14.7%	695	12.4%	5,957	19.0%
Total	10,025	100.0%	8,638	100.0%	7,163	100.0%	5,585	100.0%	31,411	100.0%

Table 6.7.1.3D
Scaling Equation for Listening

$$\text{Listening Scale Score} = (\text{Ability Measure in Logits} * 37.571) + 316.637$$

Table 6.7.1.3E
Equating Summary: List 9-12C S401 Paper
Note: No equating was performed for S401.

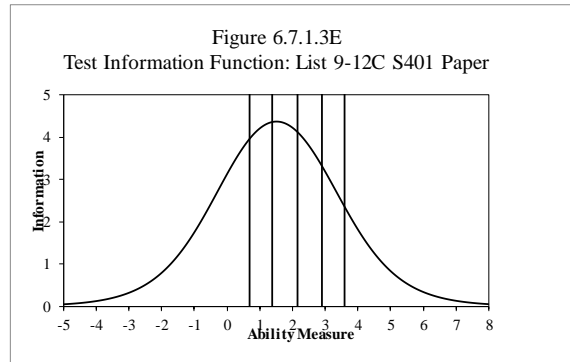
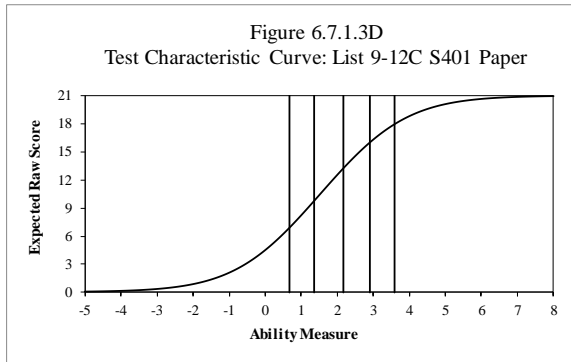


Table 6.7.1.3F
Reliability: List 9-12C S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
31,411	21	0.649	1.947

Table 6.7.1.3G

Complete Item Analysis and Summary: List 9-12C S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	1.58	1.00	0.98
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.L91C_10032_SIp3_Yearbook_302_S401_Paper	0.17	0.97	0.87
2.L91C_10033_SIp4_Yearbook_302_S401_Paper	1.16	1.00	0.99
3.L91C_10034_SIp5_Yearbook_302_S401_Paper	2.95	1.12	1.20
4.L91C_10696_LAp3_Cinquain_302_S401_Paper	0.90	0.97	0.92
5.L91C_10700_LAp4_Cinquain_302_S401_Paper	2.23	1.09	1.13
6.L91C_10709_LAp5_Cinquain_302_S401_Paper	2.67	1.11	1.16
7.L91C_7816_MAp3_TheSaleRack_203_S401_Paper	1.52	0.92	0.87
8.L91C_7817_MAp4_TheSaleRack_203_S401_Paper	2.12	1.08	1.11
9.L91C_7838_MAp5_TheSaleRack_203_S401_Paper	2.38	1.04	1.05
10.L91C_7289_SCP3_Cells_203_S401_Paper	0.77	0.99	0.99
11.L91C_7290_SCP4_Cells_203_S401_Paper	1.49	0.94	0.91
12.L91C_7291_SCP5_Cells_203_S401_Paper	2.39	1.07	1.10
13.L91C_10799_SSp3_WorldsFair_302_S401_Paper	0.79	0.99	0.95
14.L91C_10800_SSp4_WorldsFair_302_S401_Paper	2.65	1.00	0.99
15.L91C_10801_SSp5_WorldsFair_302_S401_Paper	2.97	0.94	0.94
16.L91C_10740_LAp3_SummerJob_302_S401_Paper	1.64	0.95	0.91
17.L91C_10744_LAp4_SummerJob_302_S401_Paper	0.55	0.92	0.82
18.L91C_10749_LAp5_SummerJob_302_S401_Paper	0.04	0.93	0.83
19.L91C_10105_MAp3_BookStack_302_S401_Paper	0.61	0.94	0.85
20.L91C_10109_MAp4_BookStack_302_S401_Paper	1.12	0.96	0.91
21.L91C_10112_MAp5_BookStack_302_S401_Paper	2.15	1.01	1.01

* No equating was performed for S303 and S401. Information on anchored items and their P-values can be found in S302 Annual Technical Report, Table H.

Table 6.7.1.3H

DIF Analysis and Summary: List 9-12C S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	9	12	9	11
B	0	0	1	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.L91C_10032_SIp3_Yearbook_302_S401_Paper	A	M	B	H
2.L91C_10033_SIp4_Yearbook_302_S401_Paper	A	F	A	O
3.L91C_10034_SIp5_Yearbook_302_S401_Paper	A	M	A	O
4.L91C_10696_LAp3_Cinquain_302_S401_Paper	A	M	A	H
5.L91C_10700_LAp4_Cinquain_302_S401_Paper	A	M	A	O
6.L91C_10709_LAp5_Cinquain_302_S401_Paper	A	M	A	H
7.L91C_7816_MAp3_TheSaleRack_203_S401_Paper	A	F	A	O
8.L91C_7817_MAp4_TheSaleRack_203_S401_Paper	A	F	A	H
9.L91C_7838_MAp5_TheSaleRack_203_S401_Paper	A	F	A	O
10.L91C_7289_SCP3_Cells_203_S401_Paper	A	M	A	H
11.L91C_7290_SCP4_Cells_203_S401_Paper	A	F	A	O
12.L91C_7291_SCP5_Cells_203_S401_Paper	A	F	A	O
13.L91C_10799_SSp3_WorldsFair_302_S401_Paper	A	M	A	H
14.L91C_10800_SSp4_WorldsFair_302_S401_Paper	A	F	A	H
15.L91C_10801_SSp5_WorldsFair_302_S401_Paper	A	M	A	H
16.L91C_10740_LAp3_SummerJob_302_S401_Paper	A	M	A	H
17.L91C_10744_LAp4_SummerJob_302_S401_Paper	A	F	A	O
18.L91C_10749_LAp5_SummerJob_302_S401_Paper	A	F	A	H
19.L91C_10105_MAp3_BookStack_302_S401_Paper	A	F	A	O
20.L91C_10109_MAp4_BookStack_302_S401_Paper	A	F	A	O
21.L91C_10112_MAp5_BookStack_302_S401_Paper	A	F	A	O

Table 6.7.1.3I

Raw Score to Scale Score Conversion: List 9-12C S401 Paper

Raw Score	Scale Score				CSEM	Low Bound	High Bound
	Grade 9	Grade 10	Grade 11	Grade 12			
0	136^	140^	144^	148^	142.39	100.00^	345.39
1	251	251	251	251	39.15	211.85	290.15
2	280	280	280	280	28.83	251.17	308.83
3	299	299	299	299	24.52	274.48	323.52
4	313	313	313	313	22.11	290.89	335.11
5	325	325	325	325	20.60	304.40	345.60
6	336	336	336	336	19.60	316.40	355.60
7	346	346	346	346	18.92	327.08	364.92
8	355	355	355	355	18.47	336.53	373.47
9	364	364	364	364	18.20	345.80	382.20
10	373	373	373	373	18.07	354.93	391.07
11	381	381	381	381	18.07	362.93	399.07
12	390	390	390	390	18.20	371.80	408.20
13	399	399	399	399	18.48	380.52	417.48
14	408	408	408	408	18.92	389.08	426.92
15	418	418	418	418	19.60	398.40	437.60
16	429	429	429	429	20.60	408.40	449.60
17	441	441	441	441	22.10	418.90	463.10
18	455	455	455	455	24.49	430.51	479.49
19	469*	469*	469*	469*	27.80	446.20	501.80
20	483*	483*	483*	483*	31.56	471.44	534.56
21	497*	497*	497*	497*	36.44	513.56	586.44

^ Truncated

* Adjusted for end of scale effect

Table 6.7.1.3J

Raw Score to Proficiency Level Conversion: List 9-12C S401 Paper

Raw Score	Grade 9		Grade 10		Grade 11		Grade 12	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0
1	1.6	0.0	1.6	0.0	1.5	0.0	1.5	0.0
2	1.8	0.0	1.7	0.1	1.7	0.0	1.6	0.0
3	1.9	0.1	1.8	0.1	1.8	0.2	1.7	0.1
4	1.9	0.2	1.9	0.3	1.8	0.2	1.8	0.4
5	2.2	0.5	2.0	0.6	1.9	0.5	1.9	0.7
6	2.5	0.7	2.3	1.2	2.0	1.3	1.9	1.2
7	2.8	1.4	2.6	1.6	2.3	1.7	2.1	2.2
8	3.0	2.2	2.9	2.6	2.6	2.8	2.5	3.2
9	3.3	3.6	3.1	3.8	3.0	4.3	2.8	4.4
10	3.6	5.1	3.4	5.4	3.3	5.4	3.1	6.1
11	3.9	7.5	3.7	7.3	3.5	7.0	3.4	7.6
12	4.2	8.6	4.0	9.0	3.8	9.0	3.7	9.5
13	4.6	11.1	4.3	10.5	4.1	10.6	4.0	10.9
14	4.9	12.8	4.7	11.7	4.5	10.5	4.3	10.7
15	5.3	12.4	5.1	11.8	4.9	11.7	4.7	11.0
16	5.8	11.7	5.5	10.9	5.3	10.5	5.1	10.5
17	6.0	9.2	6.0	9.1	5.7	9.6	5.5	8.8
18	6.0	6.8	6.0	7.1	6.0	7.5	6.0	6.7
19	6.0	3.8	6.0	4.2	6.0	4.5	6.0	3.5
20	6.0	1.7	6.0	2.2	6.0	2.4	6.0	1.8
21	6.0	0.6	6.0	0.5	6.0	0.3	6.0	0.4

6.7.2 Reading 9–12

6.7.2.1 Reading 9–12A

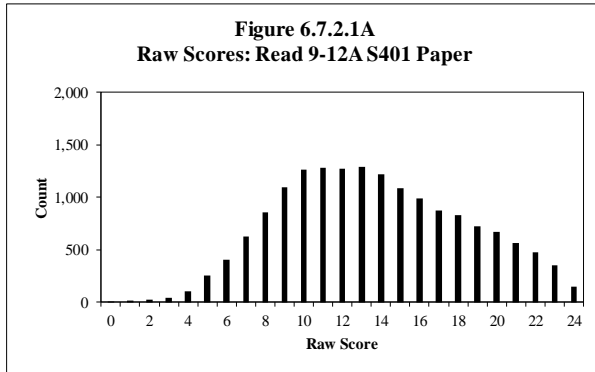


Table 6.7.2.1A

Raw Score Descriptive Statistics: Read 9-12A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	7,004	0	24	12.58	4.54
10	4,639	1	24	13.77	4.63
11	3,398	0	24	14.88	4.57
12	1,393	1	24	15.31	4.64
Total	16,434	0	24	13.62	4.69

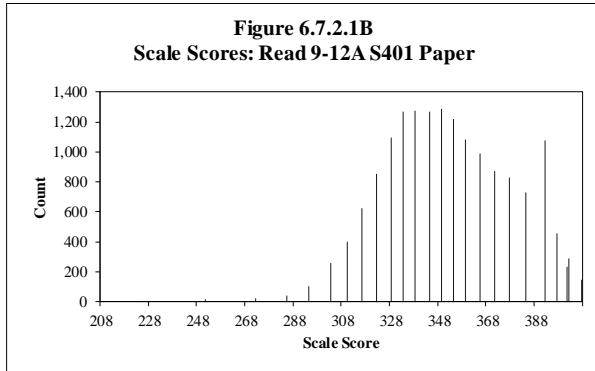


Table 6.7.2.1B

Scale Score Descriptive Statistics: Read 9-12A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	7,004	208	392	346.40	24.96
10	4,639	251	397	353.26	25.60
11	3,398	224	402	360.01	26.24
12	1,393	251	407	362.78	27.25
Total	16,434	208	407	352.54	26.31

Note: Scale scores capped at proficiency level 4.0

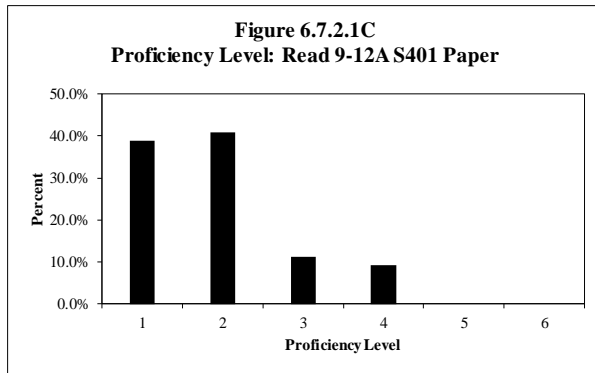


Table 6.7.2.1C

Proficiency Level Distribution: Read 9-12A S401 Paper

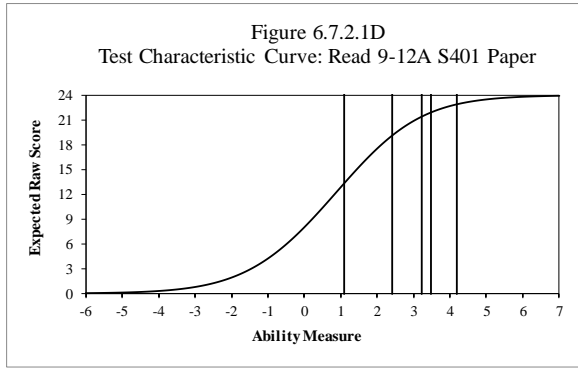
Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	3,141	44.8%	1,631	35.2%	1,108	32.6%	511	36.7%	6,391	38.9%
2	2,742	39.1%	1,940	41.8%	1,448	42.6%	579	41.6%	6,709	40.8%
3	512	7.3%	610	13.1%	553	16.3%	158	11.3%	1,833	11.2%
4	609	8.7%	458	9.9%	289	8.5%	145	10.4%	1,501	9.1%
5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total	7,004	100.0%	4,639	100.0%	3,398	100.0%	1,393	100.0%	16,434	100.0%

Note: Scale scores capped at proficiency level 4.0

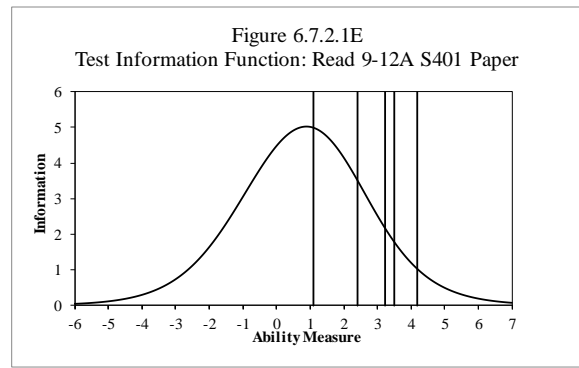
Table 6.7.2.1D
Scaling Equation for Reading

$$\text{Reading Scale Score} = (\text{Ability Measure in Logits} * 26.000) + 323.272$$

Table 6.7.2.1E
Equating Summary: Read 9-12A S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 4.0



Note: Scale scores capped at proficiency level 4.0

Table 6.7.2.1F
Reliability: Read 9-12A S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
16,434	24	0.797	2.111

Table 6.7.2.1G

Complete Item Analysis and Summary: Read 9-12A S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	0.77	1.00	0.98
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.R91A_8199_SIp1_Tutor_301_S401_Paper	-0.74	0.95	0.88
2.R91A_8200_SIp2_Tutor_301_S401_Paper	1.53	1.11	1.21
3.R91A_8201_SIp3_Tutor_301_S401_Paper	1.56	0.98	1.00
4.R91A_11080_LAp1_EllaFitzgerald_303_S401_Paper	-0.36	0.87	0.72
5.R91A_11081_LAp2_EllaFitzgerald_303_S401_Paper	-0.03	0.96	0.93
6.R91A_11082_LAp3_EllaFitzgerald_303_S401_Paper	1.37	0.92	0.89
7.R91A_8204_MAp1_Birdhouse_301_S401_Paper	0.52	0.92	0.87
8.R91A_8205_MAp2_Birdhouse_301_S401_Paper	0.71	1.09	1.14
9.R91A_8206_MAp3_Birdhouse_301_S401_Paper	1.72	1.17	1.25
10.R91A_10623_SCP1_CandyLab_303_S401_Paper	0.17	0.85	0.76
11.R91A_10624_SCP2_CandyLab_303_S401_Paper	0.11	1.10	1.15
12.R91A_10625_SCP3_CandyLab_303_S401_Paper	2.31	1.24	1.43
13.R91A_7741_SSp1_Money_203_S401_Paper	-1.28	0.88	0.65
14.R91A_7742_SSp2_Money_203_S401_Paper	0.87	0.97	0.97
15.R91A_7743_SSp3_Money_203_S401_Paper	1.38	1.03	1.03
16.R91A_8422_SIp2_Permission_301_S401_Paper	-0.06	0.89	0.74
17.R91A_8423_SIp3_Permission_301_S401_Paper	2.17	1.06	1.19
18.R91A_8424_SIp4_Permission_301_S401_Paper	1.18	1.06	1.11
19.R91A_11162_LAp2_LandSons_303_S401_Paper	-0.45	0.89	0.78
20.R91A_11163_LAp3_LandSons_303_S401_Paper	1.70	0.88	0.89
21.R91A_11164_LAp4_LandSons_303_S401_Paper	1.33	1.05	1.07
22.R91A_9451_MAp1_Circle_301_S401_Paper	0.53	0.91	0.83
23.R91A_9452_MAp2_Circle_301_S401_Paper	0.95	1.15	1.19
24.R91A_9453_MAp3_Circle_301_S401_Paper	1.16	0.98	0.97

* No equating was performed for S401. Information on anchored items and their P-values can be found in S303 Annual Technical Report, Table H.

Table 6.7.2.1H

DIF Analysis and Summary: Read 9-12A S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	11	13	16	6
B	0	0	0	2
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.R91A_8199_SIp1_Tutor_301_S401_Paper	A	F	A	H
2.R91A_8200_SIp2_Tutor_301_S401_Paper	A	F	A	H
3.R91A_8201_SIp3_Tutor_301_S401_Paper	A	M	A	H
4.R91A_11080_LAp1_EllaFitzgerald_303_S401_Paper	A	F	B	O
5.R91A_11081_LAp2_EllaFitzgerald_303_S401_Paper	A	M	A	H
6.R91A_11082_LAp3_EllaFitzgerald_303_S401_Paper	A	F	A	H
7.R91A_8204_MAp1_Birdhouse_301_S401_Paper	A	M	A	O
8.R91A_8205_MAp2_Birdhouse_301_S401_Paper	A	F	A	O
9.R91A_8206_MAp3_Birdhouse_301_S401_Paper	A	F	A	H
10.R91A_10623_SCP1_CandyLab_303_S401_Paper	A	M	A	O
11.R91A_10624_SCP2_CandyLab_303_S401_Paper	A	M	A	H
12.R91A_10625_SCP3_CandyLab_303_S401_Paper	A	M	A	H
13.R91A_7741_SSp1_Money_203_S401_Paper	A	F	A	H
14.R91A_7742_SSp2_Money_203_S401_Paper	A	F	A	O
15.R91A_7743_SSp3_Money_203_S401_Paper	A	M	A	H
16.R91A_8422_SIp2_Permission_301_S401_Paper	A	F	A	O
17.R91A_8423_SIp3_Permission_301_S401_Paper	A	M	A	O
18.R91A_8424_SIp4_Permission_301_S401_Paper	A	F	A	H
19.R91A_11162_LAp2_LandSons_303_S401_Paper	A	F	A	H
20.R91A_11163_LAp3_LandSons_303_S401_Paper	A	M	B	O
21.R91A_11164_LAp4_LandSons_303_S401_Paper	A	F	A	H
22.R91A_9451_MAp1_Circle_301_S401_Paper	A	M	A	H
23.R91A_9452_MAp2_Circle_301_S401_Paper	A	M	A	H
24.R91A_9453_MAp3_Circle_301_S401_Paper	A	F	A	H

Table 6.7.2.11

Raw Score to Scale Score Conversion: Read 9-12A S401 Paper

Raw Score	Scale Score				CSEM	Low Bound	High Bound
	Grade 9	Grade 10	Grade 11	Grade 12			
0	208^	216^	224^	233^	37.18	180.82	255.18
1	251	251	251	251	27.14	223.86	278.14
2	272	272	272	272	19.96	252.04	291.96
3	285	285	285	285	16.91	268.09	301.91
4	294	294	294	294	15.17	278.83	309.17
5	303	303	303	303	14.04	288.96	317.04
6	310	310	310	310	13.25	296.75	323.25
7	316	316	316	316	12.69	303.31	328.69
8	322	322	322	322	12.27	309.73	334.27
9	328	328	328	328	11.98	316.02	339.98
10	333	333	333	333	11.77	321.23	344.77
11	338	338	338	338	11.64	326.36	349.64
12	344	344	344	344	11.58	332.42	355.58
13	349	349	349	349	11.60	337.40	360.60
14	354	354	354	354	11.68	342.32	365.68
15	359	359	359	359	11.85	347.15	370.85
16	365	365	365	365	12.10	352.90	377.10
17	371	371	371	371	12.48	358.52	383.48
18	377	377	377	377	13.01	363.99	390.01
19	384	384	384	384	13.77	370.23	397.77
20	392	392	392	392	14.88	377.12	406.88
21	392*	397**	401	401	16.61*****	384.38*****	417.61*****
22			402***	407****	17.94*****	396.06*****	431.94*****
23							
24							

^ Truncated

* Applies to all capped grade 9 scores

** Applies to all capped grade 10 scores

*** Applies to all capped grade 11 scores

**** Applies to all capped grade 12 scores

***** Applies to all capped grade 9 and 10 scores

***** Applies all capped grade 11 and 12 scores

Table 6.7.2.1J

Raw Score to Proficiency Level Conversion: Read 9-12A S401 Paper

Raw Score	Grade 9		Grade 10		Grade 11		Grade 12	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0
1	1.3	0.1	1.2	0.0	1.2	0.1	1.1	0.1
2	1.4	0.1	1.4	0.2	1.3	0.1	1.3	0.1
3	1.5	0.4	1.5	0.2	1.4	0.1	1.4	0.1
4	1.6	1.1	1.6	0.5	1.5	0.1	1.5	0.2
5	1.7	2.3	1.6	1.4	1.6	0.8	1.5	0.4
6	1.7	3.5	1.7	2.1	1.6	1.4	1.6	0.9
7	1.8	5.3	1.7	3.1	1.7	2.5	1.6	2.1
8	1.8	6.6	1.8	4.9	1.7	3.6	1.7	2.9
9	1.9	7.8	1.8	7.0	1.8	4.7	1.7	4.9
10	1.9	9.5	1.9	7.8	1.8	5.0	1.8	4.9
11	1.9	8.2	1.9	8.0	1.9	7.2	1.8	6.2
12	2.1	8.2	2.0	7.5	1.9	7.1	1.9	7.5
13	2.2	7.8	2.1	8.2	2.0	7.9	1.9	6.4
14	2.4	6.9	2.3	7.8	2.1	7.9	2.0	8.0
15	2.5	6.0	2.4	6.7	2.3	7.0	2.2	8.0
16	2.7	5.3	2.6	6.3	2.5	6.9	2.3	6.7
17	2.9	5.0	2.8	5.4	2.6	5.8	2.5	5.7
18	3.2	4.1	3.0	4.6	2.8	7.0	2.7	6.8
19	3.6	3.3	3.3	4.5	3.1	5.8	2.9	6.4
20	4.0	2.8	3.7	4.0	3.5	5.8	3.2	6.1
21	4.0*	2.5	4.0*	3.4	3.9	4.6	3.7	5.2
22	4.0*	1.7	4.0*	3.3	4.0*	4.4	4.0*	3.5
23	4.0*	1.3	4.0*	2.2	4.0*	2.8	4.0*	4.5
24	4.0*	0.4	4.0*	0.9	4.0*	1.4	4.0*	2.4

* Capped

6.7.2.2 Reading 9–12B

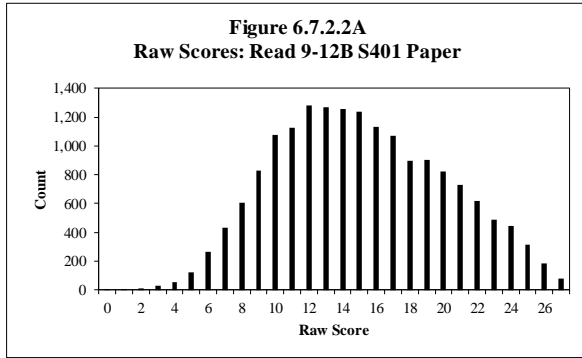


Table 6.7.2.2A

Raw Score Descriptive Statistics: Read 9-12B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	5,459	2	27	14.81	4.95
10	4,933	1	27	14.82	5.03
11	4,099	0	27	15.36	5.08
12	2,766	1	27	15.70	4.89
Total	17,257	0	27	15.09	5.01

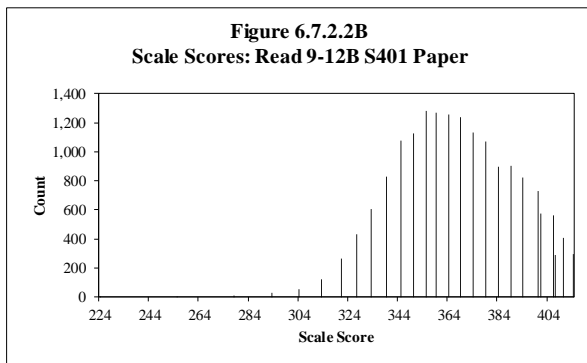


Table 6.7.2.2B

Scale Score Descriptive Statistics: Read 9-12B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	5,459	278	401	366.86	23.22
10	4,933	255	406	367.36	24.38
11	4,099	224	410	370.41	25.07
12	2,766	255	414	372.54	24.53
Total	17,257	224	414	368.76	24.30

Note: Scale scores capped at proficiency level 5.0

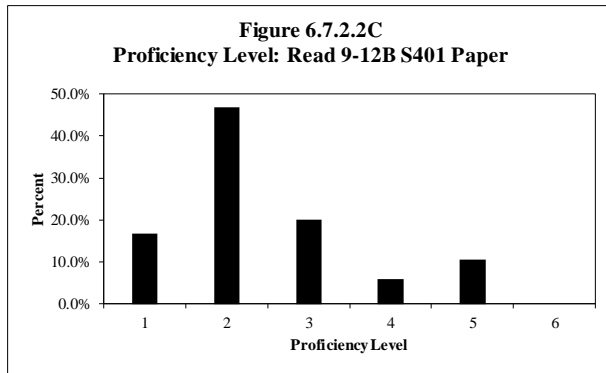


Table 6.7.2.2C

Proficiency Level Distribution: Read 9-12B S401 Paper

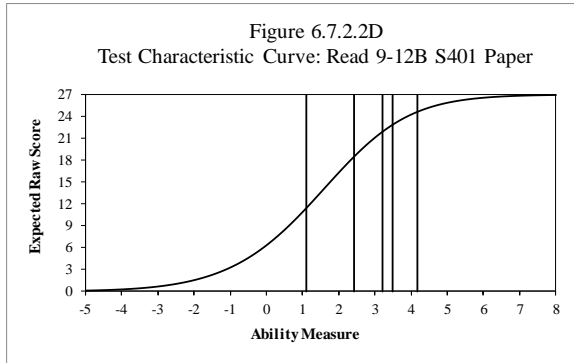
Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	794	14.5%	750	15.2%	760	18.5%	581	21.0%	2,885	16.7%
2	2,356	43.2%	2,409	48.8%	1,937	47.3%	1,367	49.4%	8,069	46.8%
3	1,244	22.8%	1,002	20.3%	808	19.7%	418	15.1%	3,472	20.1%
4	494	9.0%	213	4.3%	185	4.5%	104	3.8%	996	5.8%
5	571	10.5%	559	11.3%	409	10.0%	296	10.7%	1,835	10.6%
6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total	5,459	100.0%	4,933	100.0%	4,099	100.0%	2,766	100.0%	17,257	100.0%

Note: Scale scores capped at proficiency level 5.0

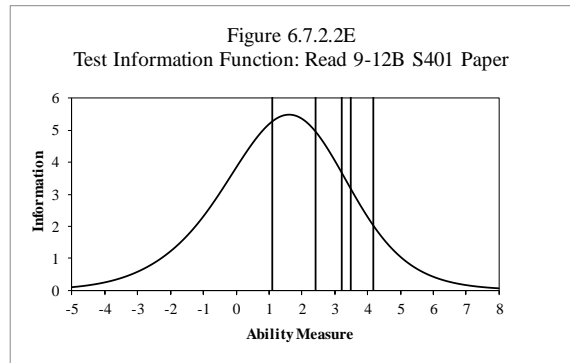
Table 6.7.2.2D
Scaling Equation for Reading

Reading Scale Score = (Ability Measure in Logits*26.000) + 323.272

Table 6.7.2.2E
Equating Summary: Read 9-12B S401 Paper
Note: No equating was performed for S401.



Note: Scale scores capped at proficiency level 5.0



Note: Scale scores capped at proficiency level 5.0

Table 6.7.2.2F
Reliability: Read 9-12B S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
17,257	27	0.800	2.240

Table 6.7.2.2G

Complete Item Analysis and Summary: Read 9-12B S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	1.41	1.00	0.99
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.R91B_8430_SIp2_JoinActivity_301_S401_Paper	0.12	1.04	1.20
2.R91B_8431_SIp3_JoinActivity_301_S401_Paper	1.21	0.90	0.85
3.R91B_8433_SIp4_JoinActivity_301_S401_Paper	1.92	1.11	1.15
4.R91B_11297_LAp2_GatheringBerries_303_S401_Paper	-2.17	0.95	0.64
5.R91B_11301_LAp3_GatheringBerries_303_S401_Paper	-0.53	0.86	0.65
6.R91B_11302_LAp4_GatheringBerries_303_S401_Paper	0.08	0.91	0.78
7.R91B_8443_MAp2_Gumball_301_S401_Paper	0.03	1.02	1.00
8.R91B_8444_MAp3_Gumball_301_S401_Paper	1.09	0.92	0.87
9.R91B_8445_MAp4_Gumball_301_S401_Paper	1.77	1.04	1.04
10.R91B_5450_SCP2_FindingthePHlevel_keto_S401_Paper	0.73	0.98	0.91
11.R91B_5451_SCP3_FindingthePHlevel_keto_S401_Paper	1.83	0.96	0.93
12.R91B_5452_SCP4_FindingthePHlevel_keto_S401_Paper	1.12	0.88	0.81
13.R91B_7750_SSp2_Reading_203_S401_Paper	0.74	1.08	1.18
14.R91B_7751_SSp3_Reading_203_S401_Paper	1.60	0.96	0.99
15.R91B_7752_SSp4_Reading_203_S401_Paper	2.16	0.99	0.99
16.R91B_12346_LAp3_Cather_303_S401_Paper	2.33	1.01	1.03
17.R91B_12347_LAp4_Cather_303_S401_Paper	2.52	1.13	1.17
18.R91B_12348_LAp5_Cather_303_S401_Paper	3.13	1.12	1.32
19.R91B_8680_MAp3_SciNotation_301_S401_Paper	1.60	0.92	0.91
20.R91B_8681_MAp4_SciNotation_301_S401_Paper	2.00	1.09	1.11
21.R91B_8700_MAp5_SciNotation_301_S401_Paper	2.84	1.04	1.06
22.R91B_5569_SCP2_SpiceEffects_kaje_S401_Paper	1.11	1.00	1.06
23.R91B_5570_SCP3_SpiceEffects_kaje_S401_Paper	1.53	0.98	0.95
24.R91B_5571_SCP4_SpiceEffects_kaje_S401_Paper	2.81	1.05	1.10
25.R91B_7055_SSp2_Recycling_203_S401_Paper	2.27	1.08	1.10
26.R91B_7056_SSp3_Recycling_203_S401_Paper	2.44	0.94	0.92
27.R91B_7057_SSp4_Recycling_203_S401_Paper	1.73	1.01	1.01

* No equating was performed for S401. Information on anchored items and their P-values can be found in S303 Annual Technical Report, Table H.

Table 6.7.2.2H

DIF Analysis and Summary: Read 9-12B S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	11	16	13	13
B	0	0	0	1
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.R91B_8430_SIp2_JoinActivity_301_S401_Paper	A	F	A	H
2.R91B_8431_SIp3_JoinActivity_301_S401_Paper	A	M	A	O
3.R91B_8433_SIp4_JoinActivity_301_S401_Paper	A	F	A	H
4.R91B_11297_LAp2_GatheringBerries_303_S401_Paper	A	F	A	O
5.R91B_11301_LAp3_GatheringBerries_303_S401_Paper	A	F	B	O
6.R91B_11302_LAp4_GatheringBerries_303_S401_Paper	A	M	A	O
7.R91B_8443_MAp2_Gumball_301_S401_Paper	A	F	A	H
8.R91B_8444_MAp3_Gumball_301_S401_Paper	A	F	A	H
9.R91B_8445_MAp4_Gumball_301_S401_Paper	A	M	A	H
10.R91B_5450_SCP2_FindingthepHlevel_keto_S401_Paper	A	M	A	H
11.R91B_5451_SCP3_FindingthepHlevel_keto_S401_Paper	A	M	A	H
12.R91B_5452_SCP4_FindingthepHlevel_keto_S401_Paper	A	M	A	O
13.R91B_7750_SSp2_Reading_203_S401_Paper	A	M	A	H
14.R91B_7751_SSp3_Reading_203_S401_Paper	A	F	A	O
15.R91B_7752_SSp4_Reading_203_S401_Paper	A	M	A	O
16.R91B_12346_LAp3_Cather_303_S401_Paper	A	F	A	H
17.R91B_12347_LAp4_Cather_303_S401_Paper	A	F	A	H
18.R91B_12348_LAp5_Cather_303_S401_Paper	A	M	A	O
19.R91B_8680_MAp3_SciNotation_301_S401_Paper	A	F	A	H
20.R91B_8681_MAp4_SciNotation_301_S401_Paper	A	M	A	H
21.R91B_8700_MAp5_SciNotation_301_S401_Paper	A	F	A	O
22.R91B_5569_SCP2_SpiceEffects_kaje_S401_Paper	A	F	A	O
23.R91B_5570_SCP3_SpiceEffects_kaje_S401_Paper	A	F	A	H
24.R91B_5571_SCP4_SpiceEffects_kaje_S401_Paper	A	F	A	O
25.R91B_7055_SSp2_Recycling_203_S401_Paper	A	F	A	O
26.R91B_7056_SSp3_Recycling_203_S401_Paper	A	F	A	O
27.R91B_7057_SSp4_Recycling_203_S401_Paper	A	M	A	O

Table 6.7.2.I

Raw Score to Scale Score Conversion: Read 9-12B S401 Paper

Raw Score	Scale Score				CSEM	Low Bound	High Bound
	Grade 9	Grade 10	Grade 11	Grade 12			
0	208^	216^	224^	233^	40.04	179.96	260.04
1	255	255	255	255	28.76	226.24	283.76
2	278	278	278	278	21.37	256.63	299.37
3	293	293	293	293	17.97	275.03	310.97
4	304	304	304	304	15.93	288.07	319.93
5	313	313	313	313	14.58	298.42	327.58
6	321	321	321	321	13.61	307.39	334.61
7	327	327	327	327	12.90	314.10	339.90
8	333	333	333	333	12.37	320.63	345.37
9	339	339	339	339	11.96	327.04	350.96
10	345	345	345	345	11.65	333.35	356.65
11	350	350	350	350	11.41	338.59	361.41
12	355	355	355	355	11.25	343.75	366.25
13	359	359	359	359	11.15	347.85	370.15
14	364	364	364	364	11.10	352.90	375.10
15	369	369	369	369	11.11	357.89	380.11
16	374	374	374	374	11.18	362.82	385.18
17	379	379	379	379	11.32	367.68	390.32
18	384	384	384	384	11.53	372.47	395.53
19	389	389	389	389	11.82	377.18	400.82
20	394	394	394	394	12.24	381.76	406.24
21	400	400	400	400	12.80	387.20	412.80
22			407	407	13.59*****	393.40*****	420.59*****
23							
24							
25	401*	406**	410***	414****	14.56*****	400.44*****	429.56*****
26							
27							

^ Truncated

* Applies to all capped grade 9 scores

** Applies to all capped grade 10 scores

*** Applies to all capped grade 11 scores

**** Applies to all capped grade 12 scores

***** Applies to all capped grade 9 and 10 scores

***** Applies all capped grade 11 and 12 scores

Table 6.7.2.2J

Raw Score to Proficiency Level Conversion: Read 9-12B S401 Paper

Raw Score	Grade 9		Grade 10		Grade 11		Grade 12	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0
1	1.3	0.0	1.3	0.0	1.2	0.0	1.1	0.0
2	1.5	0.0	1.4	0.1	1.4	0.0	1.3	0.0
3	1.6	0.2	1.6	0.1	1.5	0.1	1.5	0.1
4	1.7	0.4	1.6	0.3	1.6	0.2	1.5	0.2
5	1.7	0.9	1.7	0.8	1.7	0.6	1.6	0.5
6	1.8	1.8	1.8	1.8	1.7	1.4	1.7	0.7
7	1.9	2.6	1.8	2.8	1.8	2.4	1.7	1.8
8	1.9	3.5	1.9	4.2	1.8	3.2	1.8	2.6
9	1.9	5.0	1.9	5.0	1.9	5.1	1.8	3.5
10	2.1	6.5	2.0	6.7	1.9	5.5	1.9	5.9
11	2.3	6.7	2.1	6.6	2.0	6.8	1.9	5.6
12	2.4	7.8	2.3	7.2	2.2	7.4	2.0	7.1
13	2.5	6.9	2.4	7.3	2.3	7.2	2.2	8.4
14	2.7	7.7	2.6	7.2	2.4	7.0	2.3	7.0
15	2.9	7.5	2.7	7.1	2.6	7.0	2.5	7.1
16	3.1	6.5	2.9	6.7	2.7	5.9	2.6	7.4
17	3.3	5.8	3.1	6.3	2.9	6.0	2.7	6.9
18	3.6	5.1	3.3	4.9	3.1	5.4	2.9	5.5
19	3.8	5.3	3.6	4.8	3.3	5.0	3.1	6.1
20	4.2	5.0	3.8	4.3	3.6	4.8	3.3	5.1
21	4.8	4.0	4.3	4.3	3.9	4.5	3.6	3.9
22	5.0*	3.1	5.0*	3.3	4.6	4.5	4.0	3.8
23	5.0*	2.3	5.0*	2.6	5.0*	3.4	5.0*	3.3
24	5.0*	2.5	5.0*	2.2	5.0*	2.6	5.0*	3.3
25	5.0*	1.3	5.0*	1.6	5.0*	2.4	5.0*	2.3
26	5.0*	1.0	5.0*	0.9	5.0*	1.2	5.0*	1.3
27	5.0*	0.3	5.0*	0.6	5.0*	0.3	5.0*	0.4

* Capped

6.7.2.3 Reading 9–12C

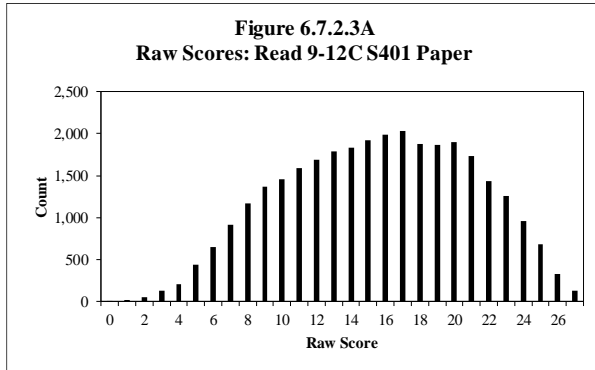


Table 6.7.2.3A

Raw Score Descriptive Statistics: Read 9-12C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	10,025	0	27	15.16	5.29
10	8,638	0	27	15.44	5.40
11	7,163	0	27	16.10	5.49
12	5,586	0	27	15.68	5.43
Total	31,412	0	27	15.54	5.40

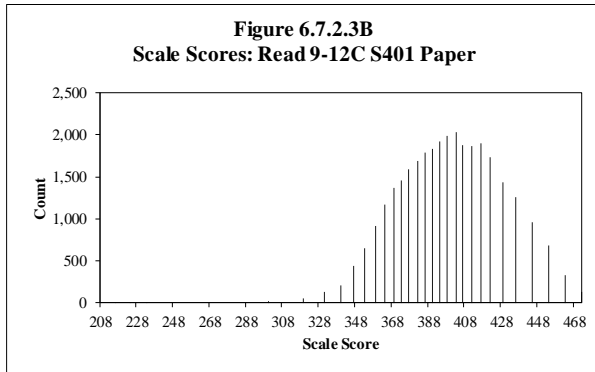


Table 6.7.2.3B

Scale Score Descriptive Statistics: Read 9-12C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	10,025	208	472	396.10	25.80
10	8,638	216	472	397.65	26.77
11	7,163	224	472	400.93	27.64
12	5,586	233	472	398.84	27.07
Total	31,412	208	472	398.12	26.78

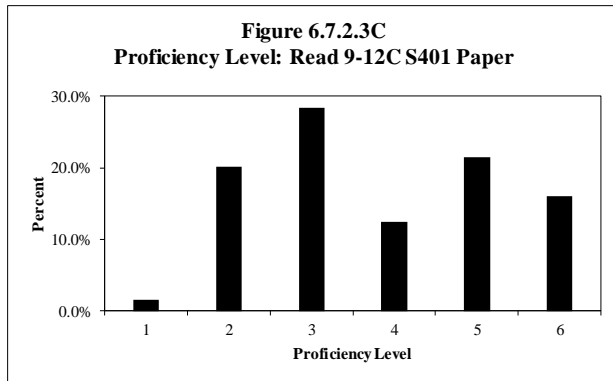


Table 6.7.2.3C

Proficiency Level Distribution: Read 9-12C S401 Paper

Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	69	0.7%	126	1.5%	167	2.3%	137	2.5%	499	1.6%
2	1,635	16.3%	1,635	18.9%	1,499	20.9%	1,555	27.8%	6,324	20.1%
3	2,759	27.5%	2,520	29.2%	1,950	27.2%	1,667	29.8%	8,896	28.3%
4	1,286	12.8%	1,100	12.7%	872	12.2%	661	11.8%	3,919	12.5%
5	2,518	25.1%	1,974	22.9%	1,335	18.6%	922	16.5%	6,749	21.5%
6	1,758	17.5%	1,283	14.9%	1,340	18.7%	644	11.5%	5,025	16.0%
Total	10,025	100.0%	8,638	100.0%	7,163	100.0%	5,586	100.0%	31,412	100.0%

Table 6.7.2.3D
Scaling Equation for Reading

$$\text{Reading Scale Score} = (\text{Ability Measure in Logits} * 26.000) + 323.272$$

Table 6.7.2.3E
Equating Summary: Read 9-12C S401 Paper
Note: No equating was performed for S401.

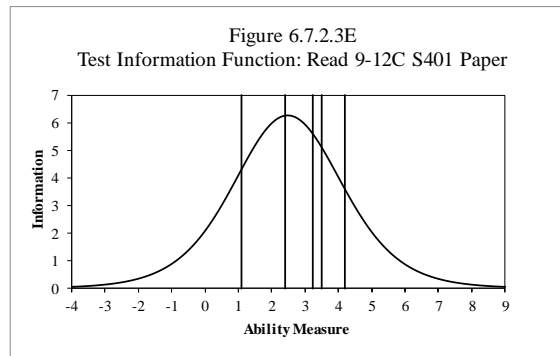
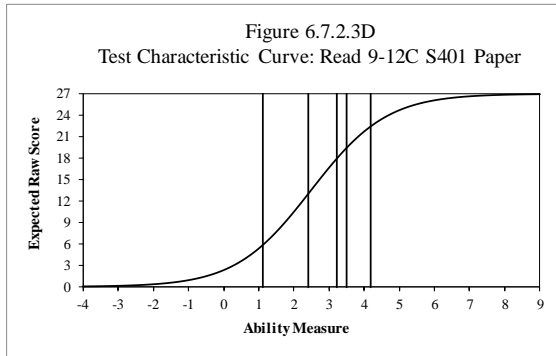


Table 6.7.2.3F
Reliability: Read 9-12C S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
31,412	27	0.814	2.325

Table 6.7.2.3G

Complete Item Analysis and Summary: Read 9-12C S401 Paper

Item Type	Average Item Difficulty (in logits)	Average Infit Mean Square	Average Outfit Mean Square
Selected Response	2.48	1.00	1.00
Name	Item Difficulty (in logits)	Fit Statistics	
		Infit Mnsq	Outfit Mnsq
1.R91C_8790_SIp3_MovieRev_301_S401_Paper	2.27	1.08	1.14
2.R91C_8792_SIp4_MovieRev_301_S401_Paper	2.09	1.00	1.00
3.R91C_8793_SIp5_MovieRev_301_S401_Paper	2.50	1.09	1.11
4.R91C_12346_LAp3_Cather_303_S401_Paper	2.28	1.00	0.98
5.R91C_12347_LAp4_Cather_303_S401_Paper	3.08	1.15	1.20
6.R91C_12348_LAp5_Cather_303_S401_Paper	3.69	1.11	1.21
7.R91C_8783_MAp3_Sofa_301_S401_Paper	2.13	1.03	1.03
8.R91C_8784_MAp4_Sofa_301_S401_Paper	3.08	1.11	1.16
9.R91C_8785_MAp5_Sofa_301_S401_Paper	2.56	0.99	0.97
10.R91C_6159_SCP3_Diffusion_elle_S401_Paper	1.77	1.00	1.01
11.R91C_6160_SCP4_Diffusion_elle_S401_Paper	2.41	1.05	1.08
12.R91C_6161_SCP5_Diffusion_elle_S401_Paper	3.10	1.09	1.13
13.R91C_7843_SSp3_Transportation_203_S401_Paper	1.79	1.01	1.01
14.R91C_7844_SSp4_Transportation_203_S401_Paper	1.51	0.91	0.84
15.R91C_7845_SSp5_Transportation_203_S401_Paper	3.12	1.07	1.08
16.R91C_11569_LAp3_TellTaleClock_303_S401_Paper	1.94	0.88	0.83
17.R91C_11572_LAp4_TellTaleClock_303_S401_Paper	1.70	0.86	0.80
18.R91C_11573_LAp5_TellTaleClock_303_S401_Paper	1.79	0.86	0.80
19.R91C_9325_MAp3_Interest_301_S401_Paper	2.55	0.85	0.80
20.R91C_9326_MAp4_Interest_301_S401_Paper	2.45	1.00	0.99
21.R91C_9327_MAp5_Interest_301_S401_Paper	2.63	0.97	0.97
22.R91C_6152_SCP3_PolymerBall_kaje_S401_Paper	2.31	0.91	0.88
23.R91C_6157_SCP4_PolymerBall_kaje_S401_Paper	2.47	0.94	0.90
24.R91C_6158_SCP5_PolymerBall_kaje_S401_Paper	2.73	0.94	0.92
25.R91C_7818_SSp3_Rotary_203_S401_Paper	2.50	0.94	0.90
26.R91C_7819_SSp4_Rotary_203_S401_Paper	3.19	1.09	1.13
27.R91C_7840_SSp5_Rotary_203_S401_Paper	3.39	1.03	1.05

* No equating was performed for S401. Information on anchored items and their P-values can be found in S303 Annual Technical Report, Table H.

Table 6.7.2.3H

DIF Analysis and Summary: Read 9-12C S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
A	15	12	11	15
B	0	0	1	0
C	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.R91C_8790_SIp3_MovieRev_301_S401_Paper	A	M	A	H
2.R91C_8792_SIp4_MovieRev_301_S401_Paper	A	F	A	H
3.R91C_8793_SIp5_MovieRev_301_S401_Paper	A	M	A	H
4.R91C_12346_LAp3_Cather_303_S401_Paper	A	F	A	H
5.R91C_12347_LAp4_Cather_303_S401_Paper	A	F	A	O
6.R91C_12348_LAp5_Cather_303_S401_Paper	A	M	A	H
7.R91C_8783_MAp3_Sofa_301_S401_Paper	A	M	A	O
8.R91C_8784_MAp4_Sofa_301_S401_Paper	A	M	A	O
9.R91C_8785_MAp5_Sofa_301_S401_Paper	A	M	A	O
10.R91C_6159_SCP3_Diffusion_elle_S401_Paper	A	F	A	H
11.R91C_6160_SCP4_Diffusion_elle_S401_Paper	A	M	A	H
12.R91C_6161_SCP5_Diffusion_elle_S401_Paper	A	M	A	H
13.R91C_7843_SSp3_Transportation_203_S401_Paper	A	F	A	O
14.R91C_7844_SSp4_Transportation_203_S401_Paper	A	M	A	O
15.R91C_7845_SSp5_Transportation_203_S401_Paper	A	M	A	O
16.R91C_11569_LAp3_TellTaleClock_303_S401_Paper	A	F	A	H
17.R91C_11572_LAp4_TellTaleClock_303_S401_Paper	A	F	A	O
18.R91C_11573_LAp5_TellTaleClock_303_S401_Paper	A	F	A	H
19.R91C_9325_MAp3_Interest_301_S401_Paper	A	F	A	O
20.R91C_9326_MAp4_Interest_301_S401_Paper	A	M	A	O
21.R91C_9327_MAp5_Interest_301_S401_Paper	A	F	A	O
22.R91C_6152_SCP3_PolymerBall_kaje_S401_Paper	A	M	A	O
23.R91C_6157_SCP4_PolymerBall_kaje_S401_Paper	A	M	A	H
24.R91C_6158_SCP5_PolymerBall_kaje_S401_Paper	A	F	A	O
25.R91C_7818_SSp3_Rotary_203_S401_Paper	A	M	B	H
26.R91C_7819_SSp4_Rotary_203_S401_Paper	A	M	A	O
27.R91C_7840_SSp5_Rotary_203_S401_Paper	A	F	A	O

Table 6.7.2.3I

Raw Score to Scale Score Conversion: Read 9-12C S401 Paper

Raw Score	Scale Score				CSEM	Low Bound	High Bound
	Grade 9	Grade 10	Grade 11	Grade 12			
0	208^	216^	224^	233^	92.82	175.18	360.82
1	300	300	300	300	26.62	273.38	326.62
2	319	319	319	319	19.28	299.72	338.28
3	331	331	331	331	16.13	314.87	347.13
4	340	340	340	340	14.33	325.67	354.33
5	347	347	347	347	13.14	333.86	360.14
6	353	353	353	353	12.32	340.68	365.32
7	359	359	359	359	11.72	347.28	370.72
8	364	364	364	364	11.27	352.73	375.27
9	369	369	369	369	10.94	358.06	379.94
10	373	373	373	373	10.69	362.31	383.69
11	377	377	377	377	10.52	366.48	387.52
12	382	382	382	382	10.42	371.58	392.42
13	386	386	386	386	10.37	375.63	396.37
14	390	390	390	390	10.37	379.63	400.37
15	394	394	394	394	10.43	383.57	404.43
16	398	398	398	398	10.54	387.46	408.54
17	403	403	403	403	10.71	392.29	413.71
18	407	407	407	407	10.96	396.04	417.96
19	412	412	412	412	11.30	400.70	423.30
20	417	417	417	417	11.75	405.25	428.75
21	422	422	422	422	12.36	409.64	434.36
22	429	429	429	429	13.19	415.81	442.19
23	436	436	436	436	14.37	421.63	450.37
24	445	445	445	445	16.18	428.82	461.18
25	454*	454*	454*	454*	18.46	438.54	475.46
26	463*	463*	463*	463*	21.32	454.68	497.32
27	472*	472*	472*	472*	24.96	483.04	532.96

^ Truncated

* Adjusted for end of scale effect

Table 6.7.2.3J

Raw Score to Proficiency Level Conversion: Read 9-12C S401 Paper

Raw Score	Grade 9		Grade 10		Grade 11		Grade 12	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.1
1	1.6	0.0	1.6	0.1	1.6	0.0	1.5	0.0
2	1.8	0.2	1.8	0.1	1.7	0.1	1.7	0.2
3	1.9	0.4	1.8	0.5	1.8	0.4	1.8	0.2
4	2.0	0.8	1.9	0.8	1.9	0.5	1.8	0.4
5	2.2	1.5	2.0	1.3	1.9	1.3	1.9	1.6
6	2.4	2.2	2.2	2.2	2.1	1.7	2.0	2.0
7	2.5	3.0	2.4	2.9	2.3	2.6	2.2	3.0
8	2.7	4.1	2.6	3.8	2.4	3.3	2.3	3.5
9	2.9	4.7	2.7	4.0	2.6	4.4	2.5	4.4
10	3.0	4.6	2.8	4.8	2.7	4.3	2.6	5.0
11	3.2	5.4	3.0	5.1	2.8	4.6	2.7	4.9
12	3.5	5.5	3.2	5.9	3.0	4.7	2.8	5.1
13	3.7	5.8	3.4	6.0	3.2	5.5	3.0	5.5
14	3.9	6.2	3.6	6.3	3.4	4.8	3.1	5.8
15	4.2	6.4	3.8	6.0	3.6	5.9	3.3	6.2
16	4.6	6.5	4.1	6.6	3.8	6.3	3.5	5.9
17	5.1	6.9	4.6	6.2	4.1	6.1	3.8	6.6
18	5.3	6.1	5.0	5.8	4.6	6.1	4.0	6.1
19	5.6	5.8	5.3	6.0	5.1	6.1	4.7	5.8
20	5.9	6.3	5.6	5.6	5.4	6.2	5.1	6.1
21	6.0	5.0	5.9	5.4	5.7	6.3	5.4	5.6
22	6.0	3.9	6.0	4.5	6.0	5.3	5.8	4.8
23	6.0	3.6	6.0	3.9	6.0	4.6	6.0	4.2
24	6.0	2.4	6.0	2.7	6.0	4.1	6.0	3.4
25	6.0	1.6	6.0	2.2	6.0	2.6	6.0	2.5
26	6.0	0.7	6.0	1.1	6.0	1.4	6.0	1.0
27	6.0	0.2	6.0	0.5	6.0	0.6	6.0	0.5

6.7.3 Writing 9–12

6.7.3.1 Writing 9–12A

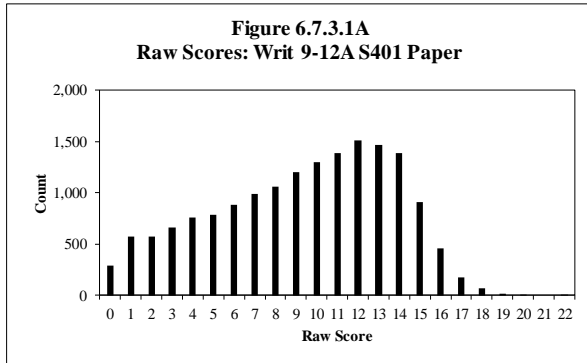


Table 6.7.3.1A

Raw Score Descriptive Statistics: Writ 9-12A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	6,999	0	20	8.35	4.43
10	4,638	0	19	9.42	4.19
11	3,400	0	20	10.26	3.99
12	1,393	0	22	10.98	3.82
Total	16,430	0	22	9.27	4.32

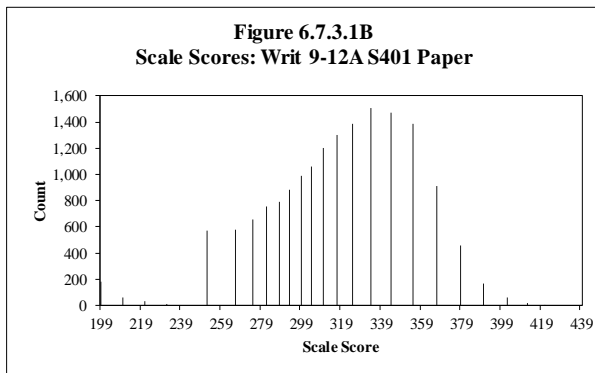


Table 6.7.3.1B

Scale Score Descriptive Statistics: Writ 9-12A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	6,999	199	421	308.70	36.61
10	4,638	210	412	317.39	33.78
11	3,400	221	421	324.07	32.35
12	1,393	232	439	330.05	31.72
Total	16,430	199	439	316.14	35.33

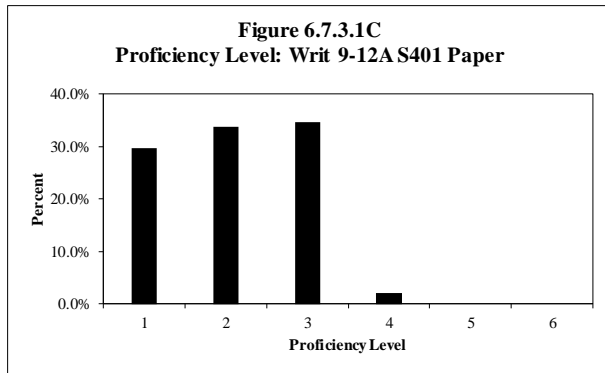


Table 6.7.3.1C

Proficiency Level Distribution: Writ 9-12A S401 Paper

Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	2,097	30.0%	1,184	25.5%	1,037	30.5%	554	39.8%	4,872	29.7%
2	2,332	33.3%	1,746	37.6%	1,197	35.2%	268	19.2%	5,543	33.7%
3	2,346	33.5%	1,633	35.2%	1,147	33.7%	554	39.8%	5,680	34.6%
4	224	3.2%	75	1.6%	19	0.6%	17	1.2%	335	2.0%
5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
6	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	6,999	100.0%	4,638	100.0%	3,400	100.0%	1,393	100.0%	16,430	100.0%

Table 6.7.3.1D

Scaling Equation for Writing

Writing Scale Score = (Ability Measure in Logits*26.851) + 303.332

Table 6.7.3.1E

Equating Summary: Writ 9-12A S401 Paper

Comparison of Forms*	Form 401		Form 400			
	No. of Tasks	Average Difficulty (Std. Dev.)	No. of Tasks	Average Difficulty (Std. Dev.)		
	3	2.14 (0.40)	3	3.81 (0.39)		
	Easiest	Hardest	Easiest	Hardest		
	1.68	2.41	3.37	4.09		
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)				
	3	2.14 (0.40)				
	No. of Anchors Used	Average Difficulty (Std. Dev.)				
	3	2.14 (0.40)				
	Percentage Anchors	Average Displacement				
100%	0.00					
Common Rating Scale Step Measures	Anchored Scale Steps					
	Step	Measure				
	1	-2.47				
	2	-2.78				
	3	-2.61				
	4	-1.68				
	5	-0.48				
	6	0.97				
	7	2.25				
	8	3.21				
9	3.59					
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty		
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement
	14290	1.68	-0.09	14290	1.68	-0.09
	14265	2.33	-0.06	14265	2.33	-0.06
	14294	2.41	0.15	14294	2.41	0.15

* No equating was performed for the previous series (S400).

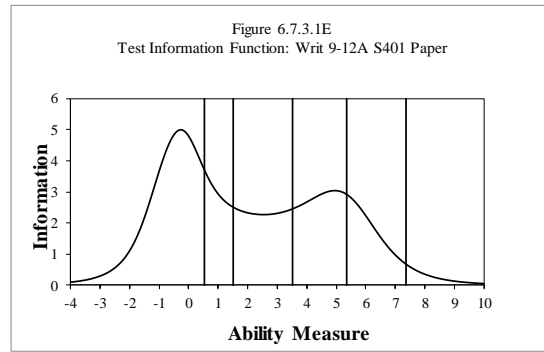
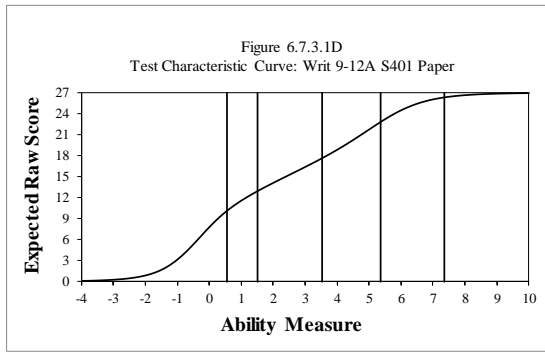


Table 6.7.3.1F

Reliability: Writ 9-12A S401 Paper

Reliability	No. of Students	No. of Tasks	Cronbach's Alpha		SEM
		16,430	3	0.850	
Interrater Reliability	Task	No. in Sample	%AG	%AD	%NA
	1	9,570	95	5	0
	2	7,628	97	3	0
	3	11,642	97	3	0

Table 6.7.3.1G

Complete Task Analysis and Summary: Writ 9-12A S401 Paper

Task Type	Average Task Difficulty (in logits)	No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square
Constructed Response	2.14	3	0.55	0.54
Name	Task Difficulty (in logits)	Anchored?	Fit Statistics	
			Infit Mnsq	Outfit Mnsq
1.W91A_14265_SIp3_SchoolDance_P100_A301_HW_S401_Paper	2.33	Yes	0.63	0.62
2.W91A_14290_LAp3_Toaster_P100_A301_HW_S401_Paper	1.68	Yes	0.49	0.50
3.W91A_14294_MSp3_BouncingBalls_P100_A203_alt1_HW_S401_Paper	2.41	Yes	0.54	0.52
Raw Score Distribution by Task	Raw Score	Task 1	Task 2	Task 3
	0	9.60%	3.60%	17.40%
	1	11.90%	9.30%	10.70%
	2	13.50%	10.20%	12.30%
	3	25.50%	19.70%	17.80%
	4	23.10%	24.20%	26.00%
	5	14.50%	23.10%	13.70%
	6	1.80%	8.70%	2.00%
	7	0.10%	1.10%	0.10%
	8	0.00%	0.10%	0.00%
9	0.00%	0.00%	0.00%	

Table 6.7.3.1H

DIF Analysis and Summary: Writ 9-12A S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	1	2	2	1
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.W91A_14265_SIp3_SchoolDance_P100_A301_HW_S401_Paper	AA	F	AA	H
2.W91A_14290_LAp3_Toaster_P100_A301_HW_S401_Paper	AA	F	AA	O
3.W91A_14294_MSp3_BouncingBalls_P100_A203_alt1_HW_S401_Paper	AA	M	AA	H

Table 6.7.3.11

Raw Score to Scale Score Conversion: Writ 9-12A S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	232^	39.47	186.53	265.47
1	252	23.44	228.56	275.44
2	266	16.67	249.33	282.67
3	275	14.18	260.82	289.18
4	282	12.94	269.06	294.94
5	288	12.30	275.70	300.30
6	293	12.03	280.97	305.03
7	299	12.06	286.94	311.06
8	304	12.38	291.62	316.38
9	310	13.02	296.98	323.02
10	317	13.94	303.06	330.94
11	325	15.06	309.94	340.06
12	334	16.16	317.84	350.16
13	344	17.02	326.98	361.02
14	355	17.59	337.41	372.59
15	367	17.83	349.17	384.83
16	379	17.78	361.22	396.78
17	390	17.45	372.55	407.45
18	402	16.94	385.06	418.94
19	412	16.33	395.67	428.33
20	421	15.79	405.21	436.79
21	430	15.47	414.53	445.47
22	439	15.44	423.56	454.44
23	448	15.84	432.16	463.84
24	458	16.97	441.03	474.97
25	471	19.55	451.45	490.55
26	489	26.56	462.44	515.56
27	521	48.39	472.61	569.39

^ Truncated

Table 6.7.3.1J

Raw Score to Proficiency Level Conversion: Writ 9-12A S401 Paper

Raw Score	Grade 9		Grade 10		Grade 11		Grade 12	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	2.6	1.0	1.3	1.0	1.0	1.0	0.7
1	1.5	5.0	1.4	3.2	1.3	1.7	1.2	1.1
2	1.7	4.9	1.6	2.9	1.5	2.3	1.3	1.5
3	1.8	5.5	1.7	3.6	1.6	2.3	1.5	1.9
4	1.9	5.9	1.8	4.2	1.7	3.5	1.5	1.9
5	1.9	6.0	1.8	4.9	1.7	3.2	1.6	2.4
6	2.1	5.8	1.9	5.5	1.8	4.6	1.7	4.8
7	2.3	6.3	2.0	6.5	1.8	5.4	1.7	4.3
8	2.5	6.5	2.2	6.7	1.9	6.4	1.8	4.8
9	2.7	7.0	2.4	8.1	2.0	7.0	1.9	7.0
10	2.9	7.7	2.6	7.7	2.3	8.0	1.9	9.4
11	3.1	7.8	2.9	8.6	2.6	9.4	2.2	8.5
12	3.2	7.8	3.1	9.7	2.9	10.7	2.6	10.7
13	3.4	7.8	3.3	8.6	3.1	10.7	3.0	11.5
14	3.6	6.2	3.4	8.7	3.3	11.5	3.2	11.5
15	3.8	3.9	3.6	5.7	3.5	6.5	3.4	10.8
16	4.0	2.2	3.8	2.6	3.7	3.5	3.6	4.7
17	4.2	0.7	4.0	1.1	3.9	1.5	3.8	1.4
18	4.4	0.2	4.3	0.5	4.2	0.4	4.0	0.8
19	4.6	0.1	4.5	0.0	4.4	0.1	4.2	0.4
20	4.8	0.0	4.7	0.0	4.6	0.0	4.4	0.0
21	5.0	0.0	4.8	0.0	4.7	0.0	4.6	0.0
22	5.2	0.0	5.0	0.0	4.9	0.0	4.8	0.1
23	5.4	0.0	5.2	0.0	5.1	0.0	5.0	0.0
24	5.7	0.0	5.5	0.0	5.3	0.0	5.2	0.0
25	6.0	0.0	5.8	0.0	5.6	0.0	5.4	0.0
26	6.0	0.0	6.0	0.0	5.9	0.0	5.7	0.0
27	6.0	0.0	6.0	0.0	6.0	0.0	6.0	0.0

6.7.3.2 Writing 9–12B

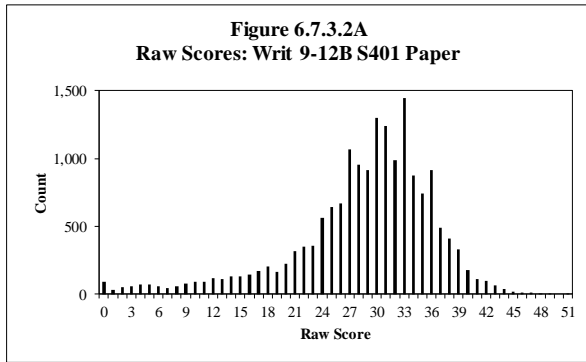


Table 6.7.3.2A

Raw Score Descriptive Statistics: Writ 9-12B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	5,462	0	49	28.38	7.76
10	4,927	0	47	27.91	8.04
11	4,097	0	51	28.97	7.75
12	2,760	0	51	29.46	7.42
Total	17,246	0	51	28.56	7.80

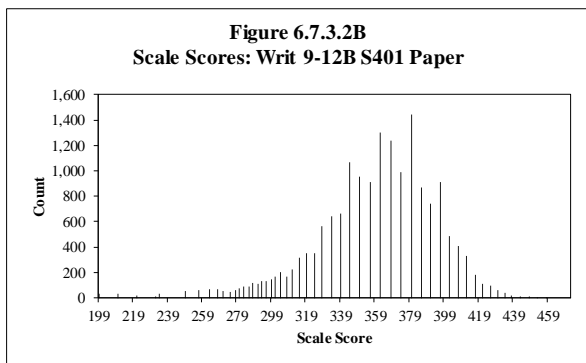


Table 6.7.3.2B

Scale Score Descriptive Statistics: Writ 9-12B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	5,462	199	458	355.97	37.19
10	4,927	210	448	353.77	38.29
11	4,097	221	472	359.08	37.17
12	2,760	232	472	361.45	36.00
Total	17,246	199	472	356.96	37.41

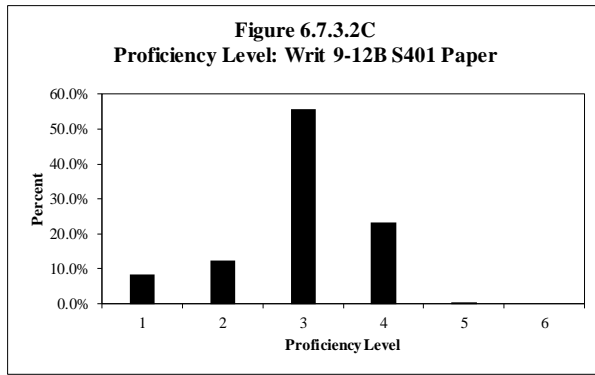


Table 6.7.3.2C

Proficiency Level Distribution: Writ 9-12B S401 Paper

Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	298	5.5%	422	8.6%	382	9.3%	332	12.0%	1,434	8.3%
2	479	8.8%	644	13.1%	636	15.5%	374	13.6%	2,133	12.4%
3	2,963	54.2%	2,747	55.8%	2,187	53.4%	1,702	61.7%	9,599	55.7%
4	1,685	30.8%	1,105	22.4%	882	21.5%	346	12.5%	4,018	23.3%
5	37	0.7%	9	0.2%	10	0.2%	6	0.2%	62	0.4%
6	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	5,462	100.0%	4,927	100.0%	4,097	100.0%	2,760	100.0%	17,246	100.0%

Table 6.7.3.2D

Scaling Equation for Writing

Writing Scale Score = (Ability Measure in Logits*26.851) + 303.332

Table 6.7.3.2E

Equating Summary: Writ 9-12B S401 Paper

Comparison of Forms*	Form 401		Form 400			
	No. of Tasks	Average Difficulty (Std. Dev.)	No. of Tasks	Average Difficulty (Std. Dev.)		
	3	1.91 (0.13)	3	3.16 (0.16)		
	Easiest	Hardest	Easiest	Hardest		
	1.83	2.07	3.00	3.32		
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)				
	2	1.84 (0.01)				
	No. of Anchors Used	Average Difficulty (Std. Dev.)				
	2	1.84 (0.01)				
	Percentage Anchors	Average Displacement				
	67%	0.00				
Common Rating Scale Step Measures	Anchored Scale Steps					
	Step	Measure				
	1	-2.47				
	2	-2.78				
	3	-2.61				
	4	-1.68				
	5	-0.48				
	6	0.97				
	7	2.25				
	8	3.21				
9	3.59					
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty		
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement
	14653	1.84	-0.01	14652	1.83	0.01
	14652	1.83	0.01	14653	1.84	-0.01

* No equating was performed for the previous series (S400).

Note that the test form is shared between 9-12B and 9-12C.

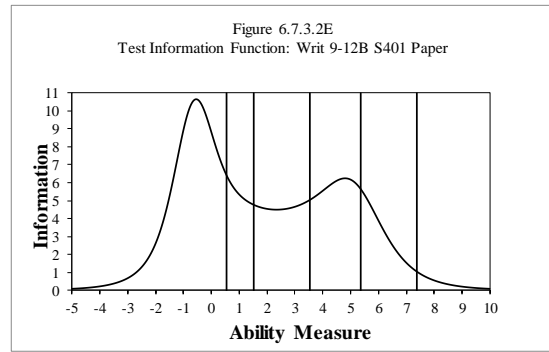
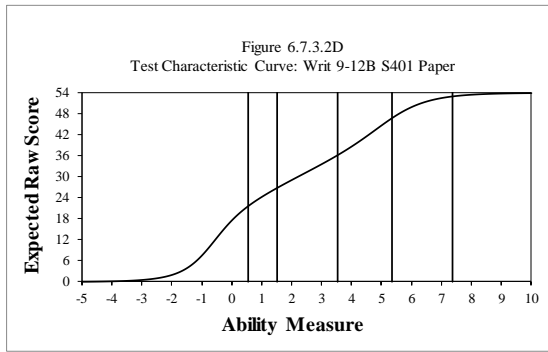


Table 6.7.3.2F

Reliability: Writ 9-12B S401 Paper

Reliability	No. of Students	No. of Tasks	Cronbach's Alpha		SEM
		48,656	3	0.914	
Interrater Reliability	Task	No. in Sample	%AG	%AD	%NA
	1	21,730	95	5	0
	2	21,912	95	5	0
	3	22,572	95	5	0

Note that the test form is shared between 9-12B and 9-12C.

Table 6.7.3.2G

Complete Task Analysis and Summary: Writ 9-12B S401 Paper

Task Type		Average Task Difficulty (in logits)	No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square
Constructed Response		1.91	3	0.72	0.68
Name	Task Difficulty (in logits)	Anchored?	Fit Statistics		
			Infit Mnsq	Outfit Mnsq	
1.W91BC_14653_SIp4_BestTeacher_P100_A301_HW_S401_Paper		1.84	Yes	1.00	0.95
2.W91BC_14652_MSp4_Viscosity_P100_A203_HW_S401_Paper		1.83	Yes	0.73	0.69
3.W91BC_15770_ITp5_BoiardiChild_401_HW_S401_Paper		2.07		0.44	0.39
Raw Score Distribution by Task		Raw Score	Task 1	Task 2	Task 3
		0	0.60%	1.50%	3.30%
		1	0.30%	0.30%	0.50%
		2	0.90%	0.80%	1.80%
		3	2.40%	2.40%	4.70%
		4	8.60%	9.90%	18.20%
		5	26.50%	32.30%	33.40%
		6	42.50%	38.60%	28.20%
		7	15.80%	12.60%	8.30%
		8	2.40%	1.30%	1.50%
		9	0.20%	0.10%	0.20%

Note that the test form is shared between 9-12B and 9-12C.

Table 6.7.3.2H

DIF Analysis and Summary: Writ 9-12B S401 Paper

DIF Summary	Male/Female		Hispanic/Other		
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)	
AA	1	2	2	1	
BB	0	0	0	0	
CC	0	0	0	0	
Name	Male/Female		Hispanic/Other		
	DIF Level	Favored Group	DIF Level	Favored Group	
1.W91BC_14653_SIp4_BestTeacher_P100_A301_HW_S401_Paper		AA	F	AA	O
2.W91BC_14652_MSp4_Viscosity_P100_A203_HW_S401_Paper		AA	M	AA	H
3.W91BC_15770_ITp5_BoiardiChild_401_HW_S401_Paper		AA	F	AA	H

Note that the test form is shared between 9-12B and 9-12C.

Table 6.7.3.21

Raw Score to Scale Score Conversion: Writ 9-12B S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound	Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	232^	26.05	179.95	232.05	34	386	12.38	373.62	398.38
1	234	24.38	209.62	258.38	35	391	12.22	378.78	403.22
2	249	16.57	232.43	265.57	36	397	12.00	385.00	409.00
3	257	13.35	243.65	270.35	37	402	11.79	390.21	413.79
4	263	11.57	251.43	274.57	38	407	11.55	395.45	418.55
5	268	10.45	257.55	278.45	39	412	11.33	400.67	423.33
6	271	9.69	261.31	280.69	40	417	11.12	405.88	428.12
7	275	9.16	265.84	284.16	41	421	10.96	410.04	431.96
8	278	8.78	269.22	286.78	42	426	10.82	415.18	436.82
9	280	8.51	271.49	288.51	43	430	10.74	419.26	440.74
10	283	8.35	274.65	291.35	44	434	10.74	423.26	444.74
11	286	8.24	277.76	294.24	45	438	10.85	427.15	448.85
12	288	8.22	279.78	296.22	46	443	11.04	431.96	454.04
13	291	8.24	282.76	299.24	47	448	11.36	436.64	459.36
14	293	8.32	284.68	301.32	48	453	11.84	441.16	464.84
15	296	8.46	287.54	304.46	49	458	12.57	445.43	470.57
16	299	8.65	290.35	307.65	50	464	13.69	450.31	477.69
17	301	8.89	292.11	309.89	51	472	15.49	456.51	487.49
18	304	9.18	294.82	313.18	52	483	18.74	464.26	501.74
19	308	9.53	298.47	317.53	53	501	26.42	474.58	527.42
20	311	9.93	301.07	320.93	54	533	48.65	484.35	581.65
21	315	10.34	304.66	325.34					
22	319	10.77	308.23	329.77					
23	324	11.17	312.83	335.17					
24	328	11.52	316.48	339.52					
25	334	11.84	322.16	345.84					
26	339	12.11	326.89	351.11					
27	344	12.32	331.68	356.32					
28	350	12.49	337.51	362.49					
29	356	12.59	343.41	368.59					
30	362	12.65	349.35	374.65					
31	368	12.65	355.35	380.65					
32	374	12.62	361.38	386.62					
33	380	12.51	367.49	392.51					

^ Truncated

Note that the test form is shared between 9-12B and 9-12C.

Table 6.7.3.2J

Raw Score to Proficiency Level Conversion: Writ 9-12B S401 Paper

Raw Score	Grade 9		Grade 10		Grade 11		Grade 12	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	0.6	1.0	0.7	1.0	0.4	1.0	0.3
1	1.3	0.2	1.2	0.2	1.1	0.1	1.0	0.1
2	1.5	0.5	1.4	0.2	1.3	0.2	1.1	0.2
3	1.6	0.3	1.5	0.4	1.4	0.4	1.2	0.2
4	1.7	0.5	1.6	0.4	1.4	0.4	1.3	0.2
5	1.7	0.4	1.6	0.4	1.5	0.4	1.4	0.5
6	1.8	0.2	1.6	0.4	1.5	0.3	1.4	0.3
7	1.8	0.3	1.7	0.3	1.6	0.3	1.5	0.2
8	1.8	0.5	1.7	0.3	1.6	0.2	1.5	0.2
9	1.9	0.4	1.7	0.5	1.6	0.5	1.5	0.2
10	1.9	0.4	1.8	0.8	1.7	0.5	1.5	0.3
11	1.9	0.4	1.8	0.7	1.7	0.4	1.6	0.5
12	1.9	0.7	1.8	0.8	1.7	0.7	1.6	0.4
13	2.0	0.5	1.9	0.9	1.8	0.7	1.6	0.4
14	2.1	0.7	1.9	0.9	1.8	0.7	1.7	0.7
15	2.2	0.8	1.9	0.8	1.8	0.6	1.7	0.9
16	2.3	0.9	2.0	1.0	1.8	0.6	1.7	0.8
17	2.4	0.8	2.1	1.1	1.9	0.9	1.8	1.2
18	2.5	1.1	2.2	1.4	1.9	0.9	1.8	1.2
19	2.6	1.0	2.3	1.2	2.0	0.8	1.8	0.7
20	2.7	1.1	2.4	1.6	2.1	1.4	1.9	1.1
21	2.8	1.8	2.6	2.4	2.2	1.4	1.9	1.5
22	3.0	2.1	2.7	2.0	2.4	2.0	2.0	1.9
23	3.0	1.9	2.9	2.2	2.5	2.1	2.2	1.9
24	3.1	3.1	3.0	3.3	2.7	3.8	2.3	2.6
25	3.2	3.8	3.1	3.4	2.9	4.0	2.6	3.7
26	3.3	3.8	3.2	4.4	3.0	3.6	2.8	3.4
27	3.4	6.5	3.3	6.6	3.1	5.6	3.0	5.8
28	3.5	5.6	3.4	5.1	3.2	6.0	3.1	5.4
29	3.6	5.7	3.5	5.4	3.3	5.0	3.2	4.8
30	3.7	8.2	3.6	7.6	3.4	6.6	3.3	7.5
31	3.8	7.7	3.7	6.7	3.5	6.8	3.4	7.5
32	3.9	5.9	3.8	5.5	3.6	5.6	3.5	5.9
33	4.0	9.0	3.9	7.7	3.8	8.5	3.6	8.3
34	4.1	4.5	4.0	4.7	3.9	5.6	3.7	5.9
35	4.2	4.2	4.1	4.0	4.0	4.2	3.8	5.0
36	4.3	5.3	4.2	4.7	4.1	5.7	3.9	5.7
37	4.4	2.5	4.3	2.5	4.2	3.1	4.0	3.6
38	4.5	2.2	4.4	1.9	4.3	2.7	4.1	3.0
39	4.6	1.4	4.5	1.8	4.4	2.3	4.2	2.4
40	4.7	0.8	4.6	1.1	4.5	1.2	4.3	1.1
41	4.8	0.6	4.7	0.6	4.6	0.7	4.4	0.8
42	4.9	0.4	4.8	0.5	4.7	0.7	4.5	0.7
43	5.0	0.3	4.8	0.3	4.7	0.5	4.6	0.3
44	5.1	0.2	4.9	0.1	4.8	0.3	4.7	0.4
45	5.2	0.1	5.0	0.1	4.9	0.1	4.8	0.1
46	5.3	0.1	5.1	0.1	5.0	0.0	4.9	0.1
47	5.4	0.0	5.2	0.0	5.1	0.1	5.0	0.1
48	5.5	0.0	5.3	0.0	5.2	0.1	5.1	0.0
49	5.7	0.0	5.5	0.0	5.3	0.0	5.2	0.1
50	5.8	0.0	5.6	0.0	5.4	0.0	5.3	0.0
51	6.0	0.0	5.8	0.0	5.6	0.0	5.4	0.0
52	6.0	0.0	6.0	0.0	5.8	0.0	5.6	0.0
53	6.0	0.0	6.0	0.0	6.0	0.0	6.0	0.0
54	6.0	0.0	6.0	0.0	6.0	0.0	6.0	0.0

Note that the test form is shared between 9-12B and 9-12C.

6.7.3.3 Writing 9–12C

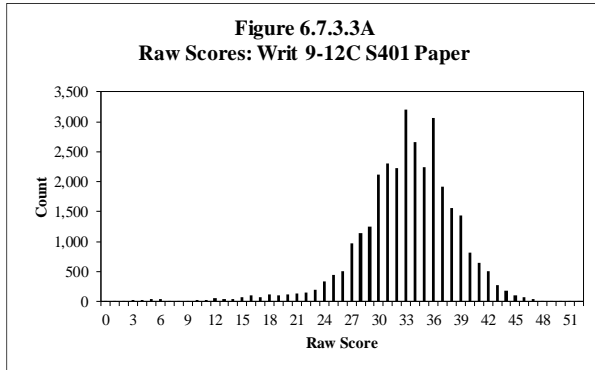


Table 6.7.3.3A

Raw Score Descriptive Statistics: Writ 9-12C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	10,025	0	51	32.72	5.40
10	8,638	0	51	32.86	5.57
11	7,161	0	52	33.50	5.66
12	5,586	0	50	33.26	5.87
Total	31,410	0	52	33.03	5.60

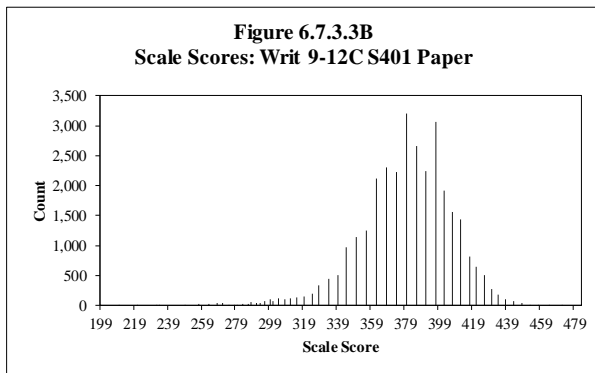


Table 6.7.3.3B

Scale Score Descriptive Statistics: Writ 9-12C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	10,025	199	472	378.07	28.04
10	8,638	210	472	378.87	28.69
11	7,161	221	483	382.34	29.15
12	5,586	232	464	381.14	29.95
Total	31,410	199	483	379.81	28.87

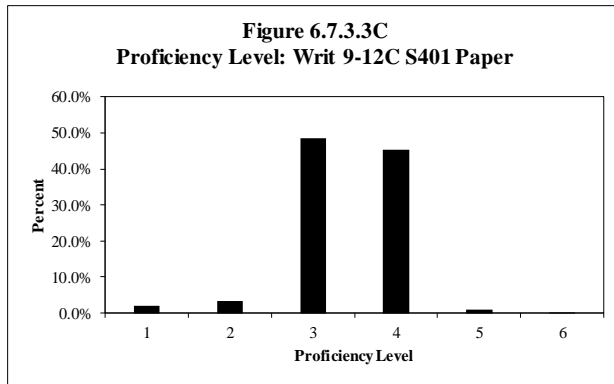


Table 6.7.3.3C

Proficiency Level Distribution: Writ 9-12C S401 Paper

Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	84	0.8%	132	1.5%	161	2.2%	224	4.0%	601	1.9%
2	227	2.3%	247	2.9%	323	4.5%	268	4.8%	1,065	3.4%
3	4,050	40.4%	4,132	47.8%	3,467	48.4%	3,593	64.3%	15,242	48.5%
4	5,507	54.9%	4,066	47.1%	3,166	44.2%	1,487	26.6%	14,226	45.3%
5	155	1.5%	61	0.7%	44	0.6%	14	0.3%	274	0.9%
6	2	0.0%	0	0.0%	0	0.0%	0	0.0%	2	0.0%
Total	10,025	100.0%	8,638	100.0%	7,161	100.0%	5,586	100.0%	31,410	100.0%

Table 6.7.3.3D
Scaling Equation for Writing

Writing Scale Score = (Ability Measure in Logits*26.851) + 303.332

Table 6.7.3.3E
Equating Summary: Writ 9-12C S401 Paper

Comparison of Forms*	Form 401		Form 400			
	No. of Tasks	Average Difficulty (Std. Dev.)	No. of Tasks	Average Difficulty (Std. Dev.)		
	3	1.91 (0.13)	3	3.16 (0.16)		
	Easiest	Hardest	Easiest	Hardest		
	1.83	2.07	3.00	3.32		
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)				
	2	1.84 (0.01)				
	No. of Anchors Used	Average Difficulty (Std. Dev.)				
	2	1.84 (0.01)				
Percentage Anchors	Average Displacement					
67%	0.00					
Common Rating Scale Step Measures	Anchored Scale Steps					
	Step	Measure				
	1	-2.47				
	2	-2.78				
	3	-2.61				
	4	-1.68				
	5	-0.48				
	6	0.97				
	7	2.25				
	8	3.21				
9	3.59					
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty		
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement
	14653	1.84	-0.01	14652	1.83	0.01
	14652	1.83	0.01	14653	1.84	-0.01

* No equating was performed for the previous series (S400).

Note that the test form is shared between 9-12B and 9-12C.

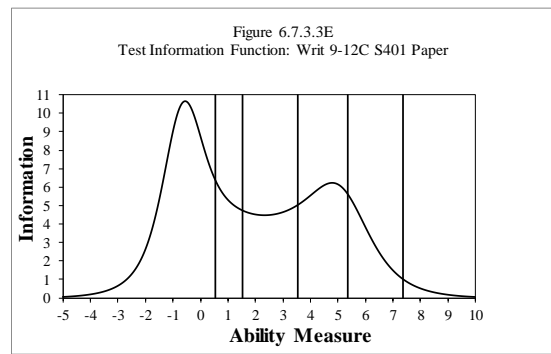
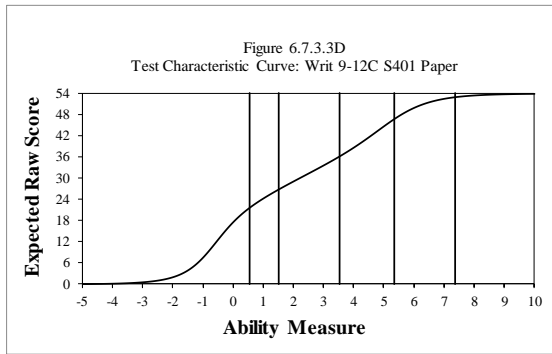


Table 6.7.3.3F

Reliability: Writ 9-12C S401 Paper

Reliability	No. of Students	No. of Tasks	Cronbach's Alpha		SEM
		48,656	3	0.914	
Interrater Reliability	Task	No. in Sample	%AG	%AD	%NA
	1	21,730	95	5	0
	2	21,912	95	5	0
	3	22,572	95	5	0

Note that the test form is shared between 9-12B and 9-12C.

Table 6.7.3.3G

Complete Task Analysis and Summary: Writ 9-12C S401 Paper

Task Type	Average Task Difficulty (in logits)	No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square
Constructed Response	1.91	3	0.72	0.68
Name	Task Difficulty (in logits)	Anchored ?	Fit Statistics	
			Infit Mnsq	Outfit Mnsq
1.W91BC_14653_Slp4_BestTeacher_P100_A301_HW_S401_Paper	1.84	Yes	1.00	0.95
2.W91BC_14652_MSp4_Viscosity_P100_A203_HW_S401_Paper	1.83	Yes	0.73	0.69
3.W91BC_15770_ITp5_BoiardiChild_401_HW_S401_Paper	2.07		0.44	0.39
Raw Score Distribution by Task	Raw Score	Task 1	Task 2	Task 3
	0	0.60%	1.50%	3.30%
	1	0.30%	0.30%	0.50%
	2	0.90%	0.80%	1.80%
	3	2.40%	2.40%	4.70%
	4	8.60%	9.90%	18.20%
	5	26.50%	32.30%	33.40%
	6	42.50%	38.60%	28.20%
	7	15.80%	12.60%	8.30%
	8	2.40%	1.30%	1.50%
9	0.20%	0.10%	0.20%	

Note that the test form is shared between 9-12B and 9-12C.

Table 6.7.3.3H

DIF Analysis and Summary: Writ 9-12C S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
DIF Level	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	1	2	2	1
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.W91BC_14653_Slp4_BestTeacher_P100_A301_HW_S401_Paper	AA	F	AA	O
2.W91BC_14652_MSp4_Viscosity_P100_A203_HW_S401_Paper	AA	M	AA	H
3.W91BC_15770_ITp5_BoiardiChild_401_HW_S401_Paper	AA	F	AA	H

Note that the test form is shared between 9-12B and 9-12C.

Table 6.7.3.3I

Raw Score to Scale Score Conversion: Writ 9-12C S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound	Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	232^	26.05	179.95	232.05	34	386	12.38	373.62	398.38
1	234	24.38	209.62	258.38	35	391	12.22	378.78	403.22
2	249	16.57	232.43	265.57	36	397	12.00	385.00	409.00
3	257	13.35	243.65	270.35	37	402	11.79	390.21	413.79
4	263	11.57	251.43	274.57	38	407	11.55	395.45	418.55
5	268	10.45	257.55	278.45	39	412	11.33	400.67	423.33
6	271	9.69	261.31	280.69	40	417	11.12	405.88	428.12
7	275	9.16	265.84	284.16	41	421	10.96	410.04	431.96
8	278	8.78	269.22	286.78	42	426	10.82	415.18	436.82
9	280	8.51	271.49	288.51	43	430	10.74	419.26	440.74
10	283	8.35	274.65	291.35	44	434	10.74	423.26	444.74
11	286	8.24	277.76	294.24	45	438	10.85	427.15	448.85
12	288	8.22	279.78	296.22	46	443	11.04	431.96	454.04
13	291	8.24	282.76	299.24	47	448	11.36	436.64	459.36
14	293	8.32	284.68	301.32	48	453	11.84	441.16	464.84
15	296	8.46	287.54	304.46	49	458	12.57	445.43	470.57
16	299	8.65	290.35	307.65	50	464	13.69	450.31	477.69
17	301	8.89	292.11	309.89	51	472	15.49	456.51	487.49
18	304	9.18	294.82	313.18	52	483	18.74	464.26	501.74
19	308	9.53	298.47	317.53	53	501	26.42	474.58	527.42
20	311	9.93	301.07	320.93	54	533	48.65	484.35	581.65
21	315	10.34	304.66	325.34					
22	319	10.77	308.23	329.77					
23	324	11.17	312.83	335.17					
24	328	11.52	316.48	339.52					
25	334	11.84	322.16	345.84					
26	339	12.11	326.89	351.11					
27	344	12.32	331.68	356.32					
28	350	12.49	337.51	362.49					
29	356	12.59	343.41	368.59					
30	362	12.65	349.35	374.65					
31	368	12.65	355.35	380.65					
32	374	12.62	361.38	386.62					
33	380	12.51	367.49	392.51					

^ Truncated

Note that the test form is shared between 9-12B and 9-12C.

Table 6.7.3.3J

Raw Score to Proficiency Level Conversion: Writ 9-12C S401 Paper

Raw Score	Grade 9		Grade 10		Grade 11		Grade 12	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	0.0	1.0	0.0	1.0	0.1	1.0	0.1
1	1.3	0.0	1.2	0.0	1.1	0.0	1.0	0.0
2	1.5	0.0	1.4	0.0	1.3	0.1	1.1	0.1
3	1.6	0.1	1.5	0.0	1.4	0.0	1.2	0.1
4	1.7	0.1	1.6	0.1	1.4	0.1	1.3	0.1
5	1.7	0.1	1.6	0.1	1.5	0.1	1.4	0.1
6	1.8	0.1	1.6	0.1	1.5	0.1	1.4	0.1
7	1.8	0.0	1.7	0.1	1.6	0.0	1.5	0.0
8	1.8	0.0	1.7	0.0	1.6	0.0	1.5	0.0
9	1.9	0.0	1.7	0.1	1.6	0.0	1.5	0.1
10	1.9	0.1	1.8	0.1	1.7	0.0	1.5	0.1
11	1.9	0.1	1.8	0.1	1.7	0.0	1.6	0.1
12	1.9	0.1	1.8	0.2	1.7	0.1	1.6	0.2
13	2.0	0.1	1.9	0.2	1.8	0.1	1.6	0.1
14	2.1	0.1	1.9	0.2	1.8	0.1	1.7	0.2
15	2.2	0.2	1.9	0.2	1.8	0.3	1.7	0.3
16	2.3	0.2	2.0	0.2	1.8	0.4	1.7	0.5
17	2.4	0.2	2.1	0.2	1.9	0.2	1.8	0.4
18	2.5	0.3	2.2	0.3	1.9	0.5	1.8	0.5
19	2.6	0.3	2.3	0.3	2.0	0.3	1.8	0.4
20	2.7	0.3	2.4	0.4	2.1	0.4	1.9	0.4
21	2.8	0.5	2.6	0.4	2.2	0.4	1.9	0.3
22	3.0	0.4	2.7	0.5	2.4	0.4	2.0	0.7
23	3.0	0.7	2.9	0.6	2.5	0.7	2.2	0.6
24	3.1	1.1	3.0	1.2	2.7	1.0	2.3	0.8
25	3.2	1.5	3.1	1.5	2.9	1.3	2.6	1.2
26	3.3	2.0	3.2	1.8	3.0	1.0	2.8	1.5
27	3.4	3.5	3.3	3.3	3.1	2.7	3.0	2.5
28	3.5	4.1	3.4	3.5	3.2	3.3	3.1	3.3
29	3.6	4.3	3.5	4.4	3.3	3.2	3.2	3.7
30	3.7	7.4	3.6	7.3	3.4	5.7	3.3	6.0
31	3.8	7.9	3.7	7.5	3.5	6.7	3.4	6.7
32	3.9	7.5	3.8	7.0	3.6	6.8	3.5	6.8
33	4.0	10.4	3.9	10.3	3.8	10.2	3.6	9.8
34	4.1	8.5	4.0	8.2	3.9	8.8	3.7	8.6
35	4.2	7.3	4.1	7.5	4.0	6.8	3.8	6.7
36	4.3	9.4	4.2	9.4	4.1	10.4	3.9	10.2
37	4.4	5.7	4.3	5.8	4.2	6.4	4.0	6.7
38	4.5	4.4	4.4	4.7	4.3	5.7	4.1	5.3
39	4.6	4.0	4.5	4.7	4.4	5.1	4.2	4.7
40	4.7	2.2	4.6	2.3	4.5	3.1	4.3	3.0
41	4.8	1.7	4.7	1.9	4.6	2.5	4.4	2.4
42	4.9	1.4	4.8	1.6	4.7	1.7	4.5	1.8
43	5.0	0.6	4.8	0.6	4.7	1.1	4.6	1.3
44	5.1	0.3	4.9	0.4	4.8	0.9	4.7	0.8
45	5.2	0.3	5.0	0.2	4.9	0.4	4.8	0.4
46	5.3	0.1	5.1	0.2	5.0	0.3	4.9	0.3
47	5.4	0.1	5.2	0.1	5.1	0.2	5.0	0.1
48	5.5	0.0	5.3	0.0	5.2	0.0	5.1	0.1
49	5.7	0.0	5.5	0.0	5.3	0.1	5.2	0.0
50	5.8	0.0	5.6	0.0	5.4	0.0	5.3	0.0
51	6.0	0.0	5.8	0.0	5.6	0.0	5.4	0.0
52	6.0	0.0	6.0	0.0	5.8	0.0	5.6	0.0
53	6.0	0.0	6.0	0.0	6.0	0.0	6.0	0.0
54	6.0	0.0	6.0	0.0	6.0	0.0	6.0	0.0

Note that the test form is shared between 9-12B and 9-12C.

6.7.4 Speaking 9–12

6.7.4.1 Speaking 9–12A

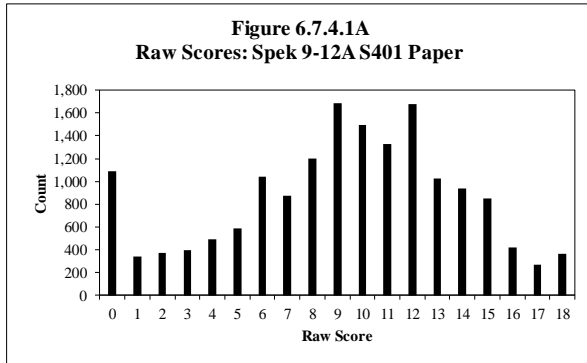


Table 6.7.4.1A

Raw Score Descriptive Statistics: Spek 9-12A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	7,004	0	18	8.49	4.64
10	4,641	0	18	9.25	4.44
11	3,400	0	18	9.87	4.34
12	1,393	0	18	10.79	4.01
Total	16,438	0	18	9.19	4.53

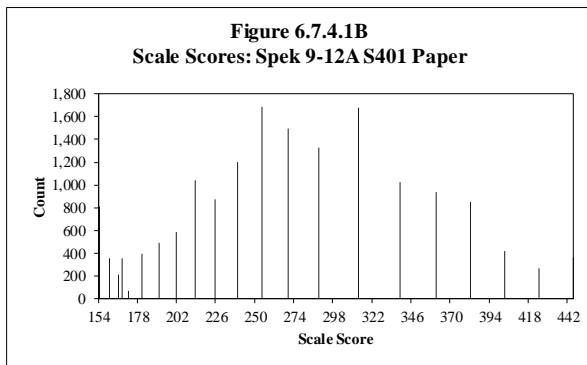


Table 6.7.4.1B

Scale Score Descriptive Statistics: Spek 9-12A S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	7,004	154	445	260.84	73.56
10	4,641	160	445	272.76	72.66
11	3,400	166	445	283.42	72.34
12	1,393	172	445	298.42	70.76
Total	16,438	154	445	272.06	73.76

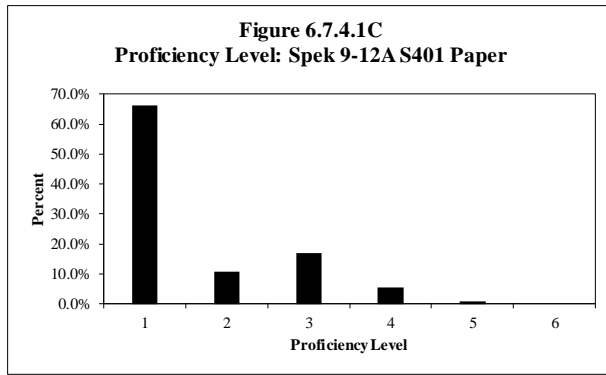


Table 6.7.4.1C

Proficiency Level Distribution: Spek 9-12A S401 Paper

Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	4,993	71.3%	3,099	66.8%	2,060	60.6%	742	53.3%	10,894	66.3%
2	637	9.1%	462	10.0%	391	11.5%	291	20.9%	1,781	10.8%
3	1,024	14.6%	785	16.9%	689	20.3%	266	19.1%	2,764	16.8%
4	224	3.2%	295	6.4%	260	7.6%	94	6.7%	873	5.3%
5	126	1.8%	0	0.0%	0	0.0%	0	0.0%	126	0.8%
6	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	7,004	100.0%	4,641	100.0%	3,400	100.0%	1,393	100.0%	16,438	100.0%

Table 6.7.4.1D
Scaling Equation for Speaking

Speaking Scale Score = (Ability Measure in Logits*29.248) + 265.076
--

Table 6.7.4.1E
Equating Summary: Spek 9-12A S401 Paper

Comparison of Forms*	Form 401			Form 400				
	No. of Tasks	Average Difficulty (Std. Dev.)		No. of Tasks	Average Difficulty (Std. Dev.)			
	11	0.76 (2.27)		11	0.00 (3.14)			
	Easiest	Hardest		Easiest	Hardest			
-2.77	3.04		-4.90	2.64				
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)						
	11	0.76 (2.27)						
	No. of Anchors Used	Average Difficulty (Std. Dev.)						
	8	2.05 (0.58)						
	Percentage Anchors	Average Displacement						
73%	-0.03							
Rating Scale Step Measures by Task	Anchored Scale Steps							
	Task	Step	Measure					
	PL 1 Tasks	1	0.56					
		2	-0.56					
	PL 3/PL 5 Tasks	1	-2.65					
		2	-1.80					
		3	1.46					
		4	2.98					
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty				
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement		
	14160	2.22	-0.41	14164	1.24	0.14		
	14509	3.04	-0.18	14508	1.37	-0.04		
	14762	2.39	-0.17	14545	1.83	0.22		
	14508	1.37	-0.04	14761	2.01	0.07		
	14761	2.01	0.07	14160	2.22	-0.41		
	14164	1.24	0.14	14546	2.31	0.15		
	14546	2.31	0.15	14762	2.39	-0.17		
	14545	1.83	0.22	14509	3.04	-0.18		

* No equating was performed for the previous series (S400).
Note that this table includes all tasks across tiers for this cluster.

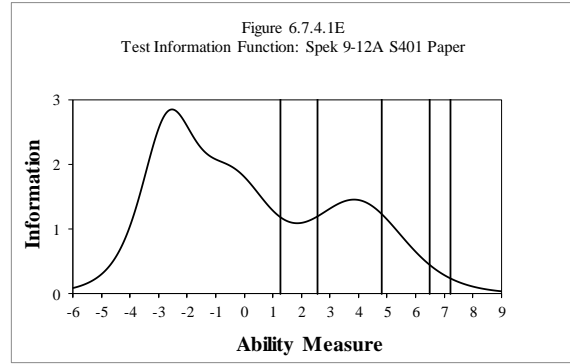
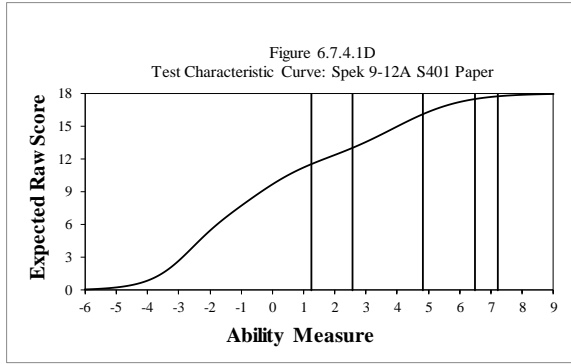


Table 6.7.4.1F
Reliability: Spek 9-12A S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
16,438	6	0.900	1.433

Table 6.7.4.1G

Complete Task Analysis and Summary: Spek 9-12A S401 Paper

Task Type	Average Task Difficulty (in logits)		No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square	
Constructed Response	0.76		12	0.64	0.65	
Name	Tier	Task Difficulty (in logits)	Anchored?	Fit Statistics		
				Infit Mnsq	Outfit Mnsq	
1.S91A_SL_StudyPreferences_401_V2_14543_P1	A	-2.72		0.65	0.42	
2.S91A_SL_StudyPreferences_401_V2_14544_P3	A*	1.83	Yes	0.74	0.82	
3.S91C_SL_StudyPreferences_401_V2_14545_P3	B/C*	1.83	Yes	0.74	0.82	
4.S91C_SL_StudyPreferences_401_V2_14546_P5	B/C	2.31	Yes	0.64	0.67	
5.S91A_SS_PahonaCity_P100_A201_14163_P1_401	A	-2.77		0.54	0.54	
6.S91A_SS_PahonaCity_P100_A201_14164_P3_401	A	1.24	Yes	0.57	0.61	
7.S91C_LS_PahonaCity_401_V1_14761_P3	B/C	2.01	Yes	0.66	0.69	
8.S91C_LS_PahonaCity_401_V1_14762_P5	B/C	2.39	Yes	0.59	0.61	
9.S91A_SC_MonarchButterfly_P100_A203_14159_P1_401	A	-2.61		0.55	0.54	
10.S91A_SC_MonarchButterfly_P100_A203_14160_P3_401	A	2.22	Yes	0.57	0.61	
11.S91C_MS_MonarchButterflies_401_V1_14508_P3	B/C	1.37	Yes	0.67	0.69	
12.S91C_MS_MonarchButterflies_401_V1_14509_P5	B/C	3.04	Yes	0.89	0.92	
Raw Score Distribution by Task	Raw Score					
	Task	0	1	2	3	4
	Task 1	10.79%	15.23%	73.99%	N/A	N/A
	Task 2	5.65%	12.88%	24.27%	31.89%	25.31%
	Task 3	5.65%	12.88%	24.27%	31.89%	25.31%
	Task 4	1.50%	7.70%	24.42%	36.05%	30.33%
	Task 5	12.21%	16.07%	71.72%	N/A	N/A
	Task 6	19.59%	36.56%	26.89%	12.71%	4.24%
	Task 7	2.39%	11.16%	25.67%	33.06%	27.73%
	Task 8	2.17%	9.67%	26.46%	34.24%	27.46%
	Task 9	15.12%	20.63%	64.25%	N/A	N/A
	Task 10	21.27%	36.88%	24.81%	12.64%	4.41%
	Task 11	2.98%	12.60%	28.29%	32.20%	23.94%
Task 12	5.59%	20.81%	28.25%	26.75%	18.59%	

* Task is shared between A and B/C.

Note that this table includes all tasks across tiers for this cluster.

Table 6.7.4.1H

DIF Analysis and Summary: Spek 9-12A S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
DIF Level	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	3	3	3	3
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.S91A_S14543_SIp1_StudyPreferences_401_V2_S401_Paper	AA	M	AA	O
2.S91A_S14544_SIp3_StudyPreferences_401_V2_S401_Paper	AA	F	AA	O
3.S91A_S14163_SSp1_PahonaCity_P100_A201_S401_Paper	AA	F	AA	H
4.S91A_S14164_SSp3_PahonaCity_P100_A201_S401_Paper	AA	M	AA	O
5.S91A_S14159_SCp1_MonarchButterfly_P100_A203_S401_Paper	AA	F	AA	H
6.S91A_S14160_SCp3_MonarchButterfly_P100_A203_S401_Paper	AA	M	AA	H

Table 6.7.4.11

Raw Score to Scale Score Conversion: Spek 9-12A S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
0	172^	19.01	101.99	140.01
1	172^	19.01	131.99	170.01
2	172^	19.01	148.99	187.01
3	180	17.84	162.16	197.84
4	191	17.26	173.74	208.26
5	201	17.84	183.16	218.84
6	213	18.72	194.28	231.72
7	225	19.89	205.11	244.89
8	239	20.47	218.53	259.47
9	254	21.06	232.94	275.06
10	270	22.23	247.77	292.23
11	289	24.86	264.14	313.86
12	313	27.79	285.21	340.79
13	339	26.91	312.09	365.91
14	361	24.86	336.14	385.86
15	382	24.28	357.72	406.28
16	403	26.03	376.97	429.03
17	424*	30.42	400.58	461.42
18	445*	38.61	432.39	509.61

^ Truncated

* Adjusted for end of scale effect

Table 6.7.4.1J

Raw Score to Proficiency Level Conversion: Spek 9-12A S401 Paper

Raw Score	Grade 9		Grade 10		Grade 11		Grade 12	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
0	1.0	9.1	1.0	5.7	1.0	4.5	1.0	2.4
1	1.0	2.5	1.0	2.0	1.0	1.8	1.0	1.1
2	1.1	2.9	1.0	2.0	1.0	1.8	1.0	1.2
3	1.1	2.9	1.1	2.6	1.1	1.8	1.0	0.9
4	1.2	3.3	1.2	3.3	1.1	2.4	1.1	1.5
5	1.3	3.9	1.3	3.7	1.2	3.4	1.2	2.2
6	1.4	7.3	1.3	6.5	1.3	4.8	1.3	4.5
7	1.5	5.7	1.4	5.4	1.4	5.0	1.4	3.9
8	1.6	7.5	1.5	7.3	1.5	7.0	1.5	7.1
9	1.7	10.5	1.6	10.4	1.6	10.0	1.6	9.5
10	1.8	8.4	1.8	9.7	1.7	9.5	1.7	9.5
11	1.9	7.4	1.9	8.3	1.9	8.6	1.9	9.5
12	2.6	9.1	2.4	10.0	2.3	11.5	2.2	13.5
13	3.1	5.9	3.1	5.8	3.0	7.2	2.9	7.4
14	3.5	4.6	3.4	5.9	3.3	6.8	3.3	7.8
15	3.9	4.2	3.8	5.2	3.7	6.3	3.6	7.4
16	4.3	2.1	4.1	2.5	4.0	3.1	3.9	3.9
17	4.7	1.1	4.5	1.8	4.4	2.1	4.3	2.7
18	5.1	1.8	4.9	2.1	4.8	2.5	4.7	4.0

6.7.4.2 Speaking 9–12B

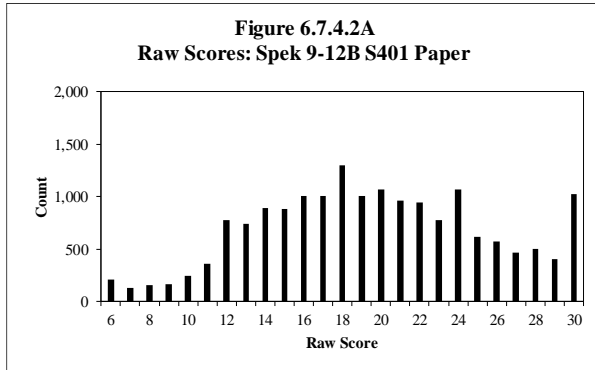


Table 6.7.4.2A

Raw Score Descriptive Statistics: Spek 9-12B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	5,459	6	30	20.00	5.73
10	4,933	6	30	18.98	5.90
11	4,099	6	30	19.29	5.74
12	2,763	6	30	19.77	5.68
Total	17,254	6	30	19.50	5.79

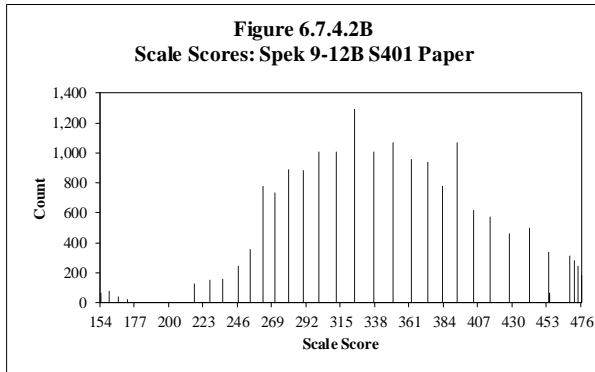


Table 6.7.4.2B

Scale Score Descriptive Statistics: Spek 9-12B S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	5,459	154	468	349.10	65.75
10	4,933	160	471	337.84	67.84
11	4,099	166	474	341.66	66.05
12	2,763	172	476	347.32	65.73
Total	17,254	154	476	343.83	66.58

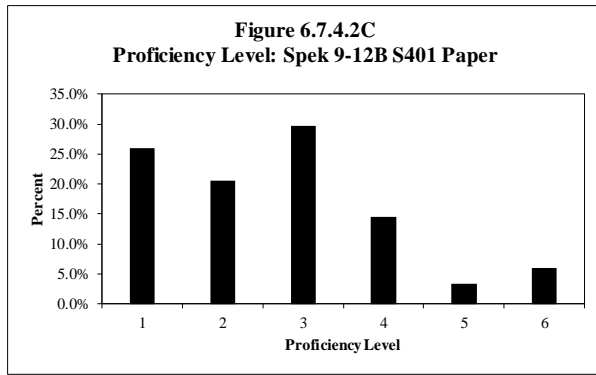


Table 6.7.4.2C

Proficiency Level Distribution: Spek 9-12B S401 Paper

Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	999	18.3%	1,515	30.7%	1,133	27.6%	829	30.0%	4,476	25.9%
2	1,228	22.5%	928	18.8%	820	20.0%	568	20.6%	3,544	20.5%
3	1,627	29.8%	1,272	25.8%	1,349	32.9%	872	31.6%	5,120	29.7%
4	956	17.5%	846	17.1%	465	11.3%	247	8.9%	2,514	14.6%
5	333	6.1%	92	1.9%	89	2.2%	65	2.4%	579	3.4%
6	316	5.8%	280	5.7%	243	5.9%	182	6.6%	1,021	5.9%
Total	5,459	100.0%	4,933	100.0%	4,099	100.0%	2,763	100.0%	17,254	100.0%

Table 6.7.4.2D

Scaling Equation for Speaking

Speaking Scale Score = (Ability Measure in Logits*29.248) + 265.076
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Table 6.7.4.2E

Equating Summary: Spek 9-12B S401 Paper

Comparison of Forms*	Form 401			Form 400		
	No. of Tasks	Average Difficulty (Std. Dev.)		No. of Tasks	Average Difficulty (Std. Dev.)	
	11	0.76 (2.27)		11	0.00 (3.14)	
	Easiest	Hardest		Easiest	Hardest	
-2.77	3.04		-4.90	2.64		
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)				
	11	0.76 (2.27)				
	No. of Anchors Used	Average Difficulty (Std. Dev.)				
	8	2.05 (0.58)				
	Percentage Anchors	Average Displacement				
73%	-0.03					
Rating Scale Step Measures by Task	Anchored Scale Steps					
	Task	Step	Measure			
	PL 1 Tasks	1	0.56			
		2	-0.56			
	PL 3/PL 5 Tasks	1	-2.65			
		2	-1.80			
		3	1.46			
4		2.98				
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty		
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement
	14160	2.22	-0.41	14164	1.24	0.14
	14509	3.04	-0.18	14508	1.37	-0.04
	14762	2.39	-0.17	14545	1.83	0.22
	14508	1.37	-0.04	14761	2.01	0.07
	14761	2.01	0.07	14160	2.22	-0.41
	14164	1.24	0.14	14546	2.31	0.15
	14546	2.31	0.15	14762	2.39	-0.17
	14545	1.83	0.22	14509	3.04	-0.18

* No equating was performed for the previous series (S400).

Note that this table includes all tasks across tiers for this cluster.

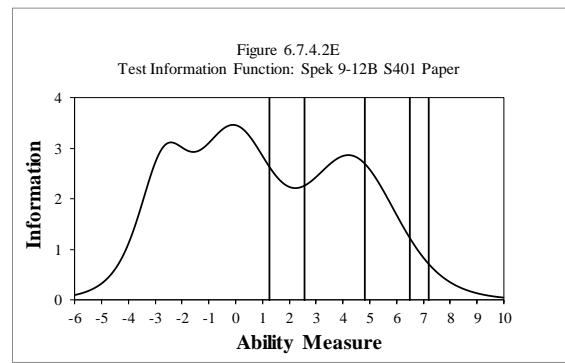
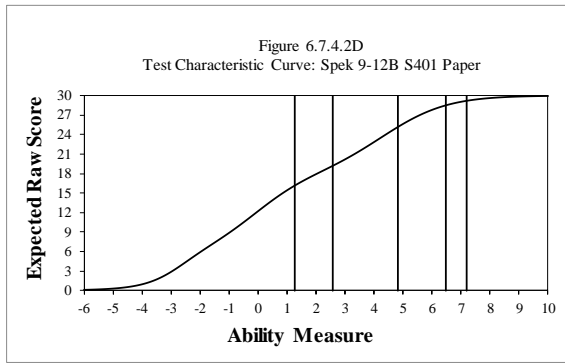


Table 6.7.4.2F

Reliability: Spek 9-12B S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
48,672	6	0.937	1.376

Note that the test form is shared between 9-12B and 9-12C.

Table 6.7.4.2G

Complete Task Analysis and Summary: Spek 9-12B S401 Paper

Task Type	Average Task Difficulty (in logits)		No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square	
Constructed Response	0.76		12	0.64	0.65	
Name	Tier	Task Difficulty (in logits)	Anchored?	Fit Statistics		
				Infit Mnsq	Outfit Mnsq	
1.S91A_SI_StudyPreferences_401_V2_14543_P1	A	-2.72		0.65	0.42	
2.S91A_SI_StudyPreferences_401_V2_14544_P3	A*	1.83	Yes	0.74	0.82	
3.S91C_SI_StudyPreferences_401_V2_14545_P3	B/C*	1.83	Yes	0.74	0.82	
4.S91C_SI_StudyPreferences_401_V2_14546_P5	B/C	2.31	Yes	0.64	0.67	
5.S91A_SS_PahonaCity_P100_A201_14163_P1_401	A	-2.77		0.54	0.54	
6.S91A_SS_PahonaCity_P100_A201_14164_P3_401	A	1.24	Yes	0.57	0.61	
7.S91C_LS_PahonaCity_401_V1_14761_P3	B/C	2.01	Yes	0.66	0.69	
8.S91C_LS_PahonaCity_401_V1_14762_P5	B/C	2.39	Yes	0.59	0.61	
9.S91A_SC_MonarchButterfly_P100_A203_14159_P1_401	A	-2.61		0.55	0.54	
10.S91A_SC_MonarchButterfly_P100_A203_14160_P3_401	A	2.22	Yes	0.57	0.61	
11.S91C_MS_MonarchButterflies_401_V1_14508_P3	B/C	1.37	Yes	0.67	0.69	
12.S91C_MS_MonarchButterflies_401_V1_14509_P5	B/C	3.04	Yes	0.89	0.92	
Raw Score Distribution by Task	Raw Score					
	Task	0	1	2	3	4
	Task 1	10.79%	15.23%	73.99%	N/A	N/A
	Task 2	5.65%	12.88%	24.27%	31.89%	25.31%
	Task 3	5.65%	12.88%	24.27%	31.89%	25.31%
	Task 4	1.50%	7.70%	24.42%	36.05%	30.33%
	Task 5	12.21%	16.07%	71.72%	N/A	N/A
	Task 6	19.59%	36.56%	26.89%	12.71%	4.24%
	Task 7	2.39%	11.16%	25.67%	33.06%	27.73%
	Task 8	2.17%	9.67%	26.46%	34.24%	27.46%
	Task 9	15.12%	20.63%	64.25%	N/A	N/A
	Task 10	21.27%	36.88%	24.81%	12.64%	4.41%
	Task 11	2.98%	12.60%	28.29%	32.20%	23.94%
Task 12	5.59%	20.81%	28.25%	26.75%	18.59%	

* Task is shared between A and B/C.

Note that this table includes all tasks across tiers for this cluster.

Table 6.7.4.2H

DIF Analysis and Summary: Spek 9-12B S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	3	3	3	3
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.S91C_S14545_SIp3_StudyPreferences_401_V2_S401_Paper	AA	F	AA	O
2.S91C_S14546_SIp5_StudyPreferences_401_V2_S401_Paper	AA	F	AA	H
3.S91C_L14761_SSp3_PahonaCity_401_V1_S401_Paper	AA	M	AA	O
4.S91C_L14762_SSp5_PahonaCity_401_V1_S401_Paper	AA	F	AA	O
5.S91C_M14508_SCP3_MonarchButterflies_401_V1_S401_Paper	AA	M	AA	H
6.S91C_M14509_SCP5_MonarchButterflies_401_V1_S401_Paper	AA	M	AA	H

Note that the test form is shared between 9-12B and 9-12C.

Table 6.7.4.2I

Raw Score to Scale Score Conversion: Spek 9-12B S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
6	172^	18.72	188.28	225.72
7	217	16.96	200.04	233.96
8	227	16.96	210.04	243.96
9	236	16.67	219.33	252.67
10	246	16.09	229.91	262.09
11	254	15.79	238.21	269.79
12	263	15.79	247.21	278.79
13	271	15.79	255.21	286.79
14	280	16.38	263.62	296.38
15	290	16.96	273.04	306.96
16	300	17.84	282.16	317.84
17	312	19.01	292.99	331.01
18	324	19.60	304.40	343.60
19	337	19.60	317.40	356.60
20	350	19.01	330.99	369.01
21	362	18.13	343.87	380.13
22	373	17.55	355.45	390.55
23	383	17.26	365.74	400.26
24	393	17.26	375.74	410.26
25	404	17.84	386.16	421.84
26	415	18.43	396.57	433.43
27	428	20.18	407.82	448.18
28	441*	22.81	421.19	466.81
29	454*	26.03	441.97	494.03
30	476*	35.10	469.90	540.10

^ Truncated

* Adjusted for end of scale effect

Note that the test form is shared between 9-12B and 9-12C.

Table 6.7.4.2J

Raw Score to Proficiency Level Conversion: Spek 9-12B S401 Paper

Raw Score	Grade 9		Grade 10		Grade 11		Grade 12	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
6	1.0	1.2	1.0	1.6	1.0	1.0	1.0	0.8
7	1.4	0.7	1.4	0.9	1.3	0.7	1.3	0.4
8	1.5	0.9	1.4	1.0	1.4	0.9	1.4	0.6
9	1.6	0.8	1.5	1.1	1.5	1.1	1.4	0.8
10	1.6	1.3	1.6	1.6	1.6	1.4	1.5	1.3
11	1.7	1.8	1.6	2.4	1.6	2.0	1.6	2.2
12	1.8	3.6	1.7	5.2	1.7	4.8	1.7	4.5
13	1.8	3.6	1.8	4.9	1.7	4.6	1.7	3.9
14	1.9	4.5	1.8	6.2	1.8	5.1	1.8	5.0
15	2.0	4.3	1.9	5.8	1.9	5.9	1.9	4.3
16	2.2	5.3	2.1	5.9	2.0	6.2	1.9	6.2
17	2.5	5.4	2.4	6.0	2.3	6.0	2.2	6.4
18	2.8	7.5	2.7	6.9	2.6	7.8	2.5	8.1
19	3.1	5.5	3.0	5.8	3.0	6.1	2.9	6.1
20	3.3	7.1	3.2	5.6	3.2	5.6	3.1	6.4
21	3.5	6.0	3.4	5.0	3.3	5.8	3.3	5.4
22	3.7	5.7	3.6	5.2	3.5	5.3	3.5	5.5
23	3.9	5.4	3.8	4.2	3.7	4.0	3.6	4.0
24	4.1	6.9	4.0	5.4	3.8	6.0	3.8	6.5
25	4.3	3.6	4.2	3.6	4.0	3.4	3.9	3.8
26	4.5	4.0	4.4	3.0	4.2	3.0	4.1	2.9
27	4.7	3.0	4.6	2.5	4.5	2.3	4.4	3.0
28	5.0	3.2	4.9	2.6	4.8	2.6	4.7	3.1
29	5.5	2.9	5.3	1.9	5.1	2.2	5.0	2.4
30	6.0	5.8	6.0	5.7	6.0	5.9	6.0	6.6

Note that the test form is shared between 9-12B and 9-12C.

6.7.4.3 Speaking 9–12C

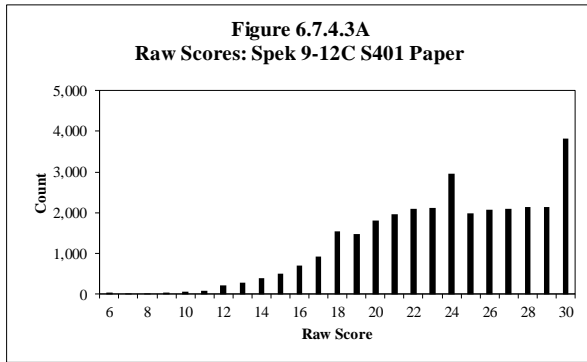


Table 6.7.4.3A

Raw Score Descriptive Statistics: Spek 9-12C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	10,028	6	30	23.92	4.46
10	8,640	6	30	23.56	4.74
11	7,164	6	30	23.59	4.76
12	5,586	6	30	23.45	4.73
Total	31,418	6	30	23.66	4.66

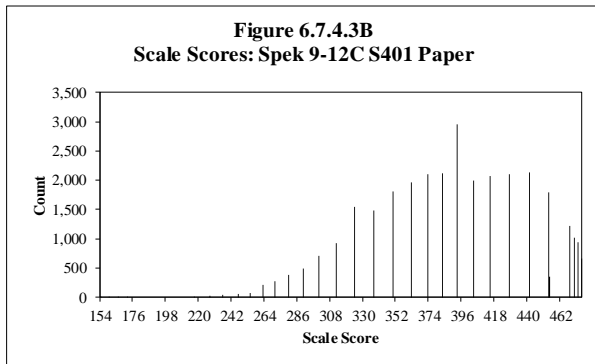


Table 6.7.4.3B

Scale Score Descriptive Statistics: Spek 9-12C S401 Paper

Grade	No. of Students	Min.	Max.	Mean	Std. Dev.
9	10,028	154	468	394.01	51.98
10	8,640	160	471	390.31	55.54
11	7,164	166	474	391.12	56.62
12	5,586	172	476	389.57	56.45
Total	31,418	154	476	391.55	54.87

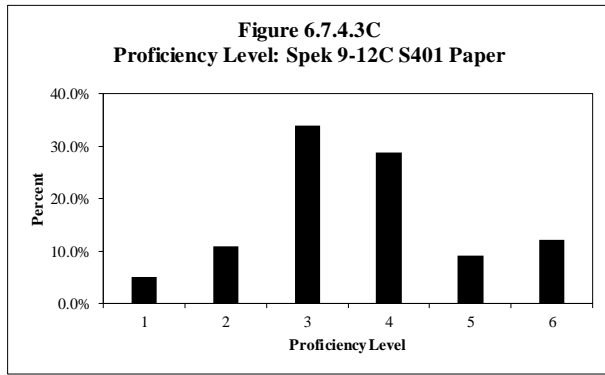


Table 6.7.4.3C

Proficiency Level Distribution: Spek 9-12C S401 Paper

Level	Grade 9		Grade 10		Grade 11		Grade 12		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
1	254	2.5%	488	5.6%	405	5.7%	452	8.1%	1,599	5.1%
2	1,045	10.4%	873	10.1%	729	10.2%	764	13.7%	3,411	10.9%
3	3,003	29.9%	2,592	30.0%	2,811	39.2%	2,278	40.8%	10,684	34.0%
4	3,100	30.9%	3,064	35.5%	1,801	25.1%	1,081	19.4%	9,046	28.8%
5	1,412	14.1%	609	7.0%	484	6.8%	349	6.2%	2,854	9.1%
6	1,214	12.1%	1,014	11.7%	934	13.0%	662	11.9%	3,824	12.2%
Total	10,028	100.0%	8,640	100.0%	7,164	100.0%	5,586	100.0%	31,418	100.0%

Table 6.7.4.3D

Scaling Equation for Speaking

Speaking Scale Score = (Ability Measure in Logits*29.248) + 265.076
--

Table 6.7.4.3E

Equating Summary: Spek 9-12C S401 Paper

Comparison of Forms*	Form 401			Form 400		
	No. of Tasks	Average Difficulty (Std. Dev.)		No. of Tasks	Average Difficulty (Std. Dev.)	
	11	0.76 (2.27)		11	0.00 (3.14)	
	Easiest	Hardest		Easiest	Hardest	
-2.77	3.04		-4.90	2.64		
Anchoring Tasks	No. of Possible Anchors	Average Difficulty (Std. Dev.)				
	11	0.76 (2.27)				
	No. of Anchors Used	Average Difficulty (Std. Dev.)				
	8	2.05 (0.58)				
	Percentage Anchors	Average Displacement				
73%	-0.03					
Rating Scale Step Measures by Task	Anchored Scale Steps					
	Task	Step	Measure			
	PL 1 Tasks	1	0.56			
		2	-0.56			
	PL 3/PL 5 Tasks	1	-2.65			
		2	-1.80			
		3	1.46			
		4	2.98			
Displacement of Anchor Tasks	Anchor Tasks by Displacement			Anchor Tasks by Task Difficulty		
	Task ID	Task Difficulty	Displacement	Task ID	Task Difficulty	Displacement
	14160	2.22	-0.41	14164	1.24	0.14
	14509	3.04	-0.18	14508	1.37	-0.04
	14762	2.39	-0.17	14545	1.83	0.22
	14508	1.37	-0.04	14761	2.01	0.07
	14761	2.01	0.07	14160	2.22	-0.41
	14164	1.24	0.14	14546	2.31	0.15
	14546	2.31	0.15	14762	2.39	-0.17
	14545	1.83	0.22	14509	3.04	-0.18

* No equating was performed for the previous series (S400).

Note that this table includes all tasks across tiers for this cluster.

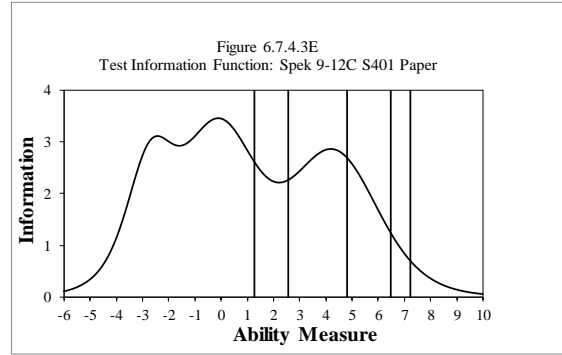
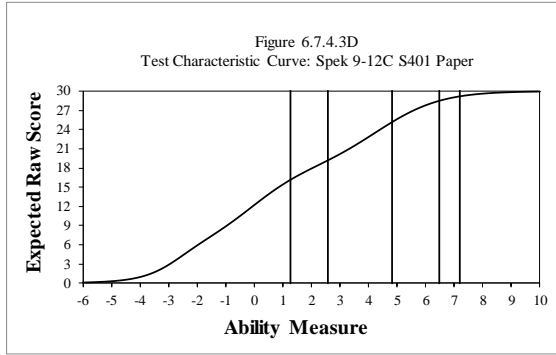


Table 6.7.4.3F

Reliability: Spek 9-12C S401 Paper

No. of Students	No. of Items	Cronbach's Alpha	SEM
48,672	6	0.937	1.376

Note that the test form is shared between 9-12B and 9-12C.

Table 6.7.4.3G

Complete Task Analysis and Summary: Spek 9-12C S401 Paper

Task Type	Average Task Difficulty (in logits)		No. of Tasks	Average Infit Mean Square	Average Outfit Mean Square	
Constructed Response	0.76		12	0.64	0.65	
Name	Tier	Task Difficulty (in logits)	Anchored?	Fit Statistics		
				Infit Mnsq	Outfit Mnsq	
1.S91A_SI_StudyPreferences_401_V2_14543_P1	A	-2.72		0.65	0.42	
2.S91A_SI_StudyPreferences_401_V2_14544_P3	A*	1.83	Yes	0.74	0.82	
3.S91C_SI_StudyPreferences_401_V2_14545_P3	B/C*	1.83	Yes	0.74	0.82	
4.S91C_SI_StudyPreferences_401_V2_14546_P5	B/C	2.31	Yes	0.64	0.67	
5.S91A_SS_PahonaCity_P100_A201_14163_P1_401	A	-2.77		0.54	0.54	
6.S91A_SS_PahonaCity_P100_A201_14164_P3_401	A	1.24	Yes	0.57	0.61	
7.S91C_LS_PahonaCity_401_V1_14761_P3	B/C	2.01	Yes	0.66	0.69	
8.S91C_LS_PahonaCity_401_V1_14762_P5	B/C	2.39	Yes	0.59	0.61	
9.S91A_SC_MonarchButterfly_P100_A203_14159_P1_401	A	-2.61		0.55	0.54	
10.S91A_SC_MonarchButterfly_P100_A203_14160_P3_401	A	2.22	Yes	0.57	0.61	
11.S91C_MS_MonarchButterflies_401_V1_14508_P3	B/C	1.37	Yes	0.67	0.69	
12.S91C_MS_MonarchButterflies_401_V1_14509_P5	B/C	3.04	Yes	0.89	0.92	
Raw Score Distribution by Task	Task	Raw Score				
		0	1	2	3	4
	Task 1	10.79%	15.23%	73.99%	N/A	N/A
	Task 2	5.65%	12.88%	24.27%	31.89%	25.31%
	Task 3	5.65%	12.88%	24.27%	31.89%	25.31%
	Task 4	1.50%	7.70%	24.42%	36.05%	30.33%
	Task 5	12.21%	16.07%	71.72%	N/A	N/A
	Task 6	19.59%	36.56%	26.89%	12.71%	4.24%
	Task 7	2.39%	11.16%	25.67%	33.06%	27.73%
	Task 8	2.17%	9.67%	26.46%	34.24%	27.46%
	Task 9	15.12%	20.63%	64.25%	N/A	N/A
	Task 10	21.27%	36.88%	24.81%	12.64%	4.41%
	Task 11	2.98%	12.60%	28.29%	32.20%	23.94%
Task 12	5.59%	20.81%	28.25%	26.75%	18.59%	

* Task is shared between A and B/C.

Note that this table includes all tasks across tiers for this cluster.

Table 6.7.4.3H

DIF Analysis and Summary: Spek 9-12C S401 Paper

DIF Summary	Male/Female		Hispanic/Other	
	Favoring Male (M)	Favoring Female (F)	Favoring Hispanic (H)	Favoring Other (O)
AA	3	3	3	3
BB	0	0	0	0
CC	0	0	0	0
Name	Male/Female		Hispanic/Other	
	DIF Level	Favored Group	DIF Level	Favored Group
1.S91C_S14545_SIp3_StudyPreferences_401_V2_S401_Paper	AA	F	AA	O
2.S91C_S14546_SIp5_StudyPreferences_401_V2_S401_Paper	AA	F	AA	H
3.S91C_L14761_SSp3_PahonaCity_401_V1_S401_Paper	AA	M	AA	O
4.S91C_L14762_SSp5_PahonaCity_401_V1_S401_Paper	AA	F	AA	O
5.S91C_M14508_SCP3_MonarchButterflies_401_V1_S401_Paper	AA	M	AA	H
6.S91C_M14509_SCP5_MonarchButterflies_401_V1_S401_Paper	AA	M	AA	H

Note that the test form is shared between 9-12B and 9-12C.

Table 6.7.4.3I

Raw Score to Scale Score Conversion: Spek 9-12C S401 Paper

Raw Score	Scale Score	CSEM	Low Bound	High Bound
6	172^	18.72	188.28	225.72
7	217	16.96	200.04	233.96
8	227	16.96	210.04	243.96
9	236	16.67	219.33	252.67
10	246	16.09	229.91	262.09
11	254	15.79	238.21	269.79
12	263	15.79	247.21	278.79
13	271	15.79	255.21	286.79
14	280	16.38	263.62	296.38
15	290	16.96	273.04	306.96
16	300	17.84	282.16	317.84
17	312	19.01	292.99	331.01
18	324	19.60	304.40	343.60
19	337	19.60	317.40	356.60
20	350	19.01	330.99	369.01
21	362	18.13	343.87	380.13
22	373	17.55	355.45	390.55
23	383	17.26	365.74	400.26
24	393	17.26	375.74	410.26
25	404	17.84	386.16	421.84
26	415	18.43	396.57	433.43
27	428	20.18	407.82	448.18
28	441*	22.81	421.19	466.81
29	454*	26.03	441.97	494.03
30	476*	35.10	469.90	540.10

^ Truncated

* Adjusted for end of scale effect

Note that the test form is shared between 9-12B and 9-12C.

Table 6.7.4.3J

Raw Score to Proficiency Level Conversion: Spek 9-12C S400 Paper

Raw Score	Grade 9		Grade 10		Grade 11		Grade 12	
	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students	Proficiency Level Score	% of Students
6	1.0	0.1	1.0	0.1	1.0	0.2	1.0	0.1
7	1.4	0.0	1.4	0.0	1.3	0.0	1.3	0.1
8	1.5	0.1	1.4	0.1	1.4	0.1	1.4	0.0
9	1.6	0.1	1.5	0.2	1.5	0.1	1.4	0.1
10	1.6	0.1	1.6	0.2	1.6	0.2	1.5	0.2
11	1.7	0.2	1.6	0.3	1.6	0.3	1.6	0.3
12	1.8	0.5	1.7	0.7	1.7	0.7	1.7	0.8
13	1.8	0.6	1.8	1.0	1.7	0.9	1.7	1.1
14	1.9	0.9	1.8	1.3	1.8	1.4	1.8	1.3
15	2.0	1.3	1.9	1.7	1.9	1.9	1.9	1.5
16	2.2	1.9	2.1	2.2	2.0	2.4	1.9	2.7
17	2.5	2.8	2.4	3.1	2.3	2.7	2.2	3.3
18	2.8	4.4	2.7	4.8	2.6	5.2	2.5	5.5
19	3.1	4.5	3.0	4.6	3.0	5.0	2.9	4.8
20	3.3	5.7	3.2	5.7	3.2	6.2	3.1	5.3
21	3.5	6.1	3.4	6.2	3.3	6.3	3.3	6.5
22	3.7	6.6	3.6	6.9	3.5	6.7	3.5	6.5
23	3.9	7.0	3.8	6.5	3.7	6.4	3.6	7.0
24	4.1	9.7	4.0	9.4	3.8	8.8	3.8	9.5
25	4.3	7.0	4.2	6.3	4.0	5.8	3.9	5.9
26	4.5	6.8	4.4	6.6	4.2	6.4	4.1	6.5
27	4.7	7.3	4.6	6.5	4.5	6.1	4.4	6.5
28	5.0	7.1	4.9	6.7	4.8	6.8	4.7	6.4
29	5.5	7.0	5.3	7.0	5.1	6.8	5.0	6.2
30	6.0	12.1	6.0	11.7	6.0	13.0	6.0	11.9

Note that the test form is shared between 9-12B and 9-12C.