



Family Night – Math Strategies

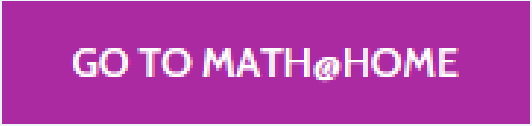
Hal Hutchens Elementary
January 23, 2020

Math Inventory

- ▶ The Math Inventory is a computerized test that results in a score, or Quantile®, that indicates how well a student understands mathematical skills and concepts along a developmental continuum. A student who scores at the Proficient level by the end of the school year is considered to be performing on grade level and is on track to meet the demands of college and career by the end of high school.
- ▶ Test Administration - 3 times a year (August, December/January, May)



Quantile Resource

- ▶ <https://www.quantiles.com/parents-students/find-math-resources-to-support-classroom-learning/mathhome/> or <http://tinyurl.com/hutmath>
- ▶ Click on A purple rectangular button with the text "GO TO MATH@HOME" in white, all-caps font.
- ▶ Enter Student's Information from their Math Inventory Score Report
 - ▶ Use the Instructional Recommendations section to pick out keywords (i.e. Numbers and Operations, Algebraic Thinking, Patterns, etc.)

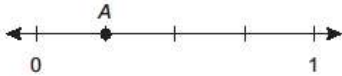
Math Strategy Modeling

MATHEMATICS

ITEM 1: CONSTRUCTED-RESPONSE

MGSE3.NF.2

1. Look at point A on the number line.



Point A represents a fraction.

$\frac{1}{\square}$

What number belongs in the box to represent point A? Explain how you found your answer.
Write your answer in the space provided on your answer document.

Scoring Guide

Item 1 Information

Standard: MGSE3.NF.2 Understand a fraction as a number on the number line; represent fractions on a number line diagram. a. Represent a fraction $\frac{1}{b}$ on a number line diagram by defining the interval from 0 to 1 as the whole and partitioning it into b equal parts. Recognize that each part has size $\frac{1}{b}$ and that the endpoint of the part based at 0 locates the number $\frac{1}{b}$ on the number line.	Item Depth of Knowledge: 2 Basic Application of Skill/Concept Student uses information, conceptual knowledge, and procedures.
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MATHEMATICS

ITEM-SPECIFIC SCORING RUBRIC

Score	Rationale
2	Response demonstrates a complete understanding of the standard. Give 2 points for student identifying the denominator as 4 and providing a complete, correct explanation that shows the student sees the interval from 0 to 1 as having 4 equal sections (or equivalent). <u>Exemplar Response:</u> The number that goes in box is 4. (1 point) AND From 0 to 1 is divided into 4 equal parts. Point A is $\frac{1}{4}$. (1 point) OR other valid response
1	Response demonstrates a partial understanding of the standard. Student earns 1 point for answering 1 key element. OR Give 1 point when student identifies a different denominator <u>and</u> provides an explanation that shows an understanding of equal parts from 0 to 1.
0	Response demonstrates little to no understanding of the standard. Student earns 0 points because the student does not show an understanding that fractions represent equal parts of a whole.

Fun Ideas for Fact Fluency Practice

- ▶ Dude's Dilemma - <http://teacher.scholastic.com/activities/adventure/math1.htm#>
- ▶ Multiplication War - Use two decks of cards and multiply to get the product. Whoever has the highest product wins.
- ▶ Education Galaxy - My Skill Practice- www.educationgalaxy.com/login
- ▶ Roshambo (Math version of Paper, Rock , Scissors) - Each person puts out a number and the person to say the correct product of the two numbers first wins.
- ▶ Multiplication Roll'Em - Roll a pair of dice and multiply to get the product. Whoever has the highest product wins.
- ▶ Playdough Arrays - Create arrays that match the multiplication fact.
- ▶ Multiplication Songs - Flocabulary, YouTube, School House Rock
- ▶ Tic Tac Times - <https://ipadthinker.com/math/ticTacTimes.html>
- ▶ App- Sushi Monster



What is the purpose of Georgia Milestones?

- The Georgia Milestones Assessment System is designed to provide information about how well students are mastering the state-adopted content standards in the core content areas of English Language Arts, mathematics, science, and social studies.
- Georgia Milestones is designed to provide students with critical information about their own achievement and their readiness for their next level of learning - be it the next grade, the next course, or endeavor (college or career).
- Informing parents, educators, and the public about how well students are learning important content is an essential aspect of any educational assessment and accountability system. Parents, the public, and policy makers, including local school districts and boards of education, can use the results as a barometer of the quality of educational opportunity provided throughout the state of Georgia.
- Georgia Milestones serves as a key component of the state's accountability system - the College and Career Ready Performance Index (CCRPI).

Hal Hutchens Georgia Milestones Schedule

- The Georgia Milestones Assessment will begin in April
- Resources and information on specific dates will be provided by each school
- Please watch for information coming home when we get closer to the testing window

EOG Resources

EOG resources can be retrieved from the Georgia Milestones Assessment System website.

- Georgia Department of Education Site Information - Overview
- <http://www.gadoe.org/Curriculum-Instruction-and-Assessment/Assessment/Pages/Georgia-Milestones-Assessment-System.aspx>
- *Parent Resource Guides - Grade Level Specific Questions/Tasks
- <http://www.gadoe.org/Curriculum-Instruction-and-Assessment/Assessment/Pages/EOG-Study-Resource-Guides.aspx>

Georgia Milestones Assessment System

The Georgia Milestones Assessment System (Georgia Milestones) is a comprehensive summative assessment program spanning grades 3 through high school.

Georgia Milestones measures how well students have learned the knowledge and skills outlined in the state-adopted content standards in English Language Arts, mathematics, science, and social studies.

Students in grades 3 through 8 take an end-of-grade assessment in English Language Arts and mathematics while students in grades 5 and 8 are also assessed in science and social studies. High school students take an end-of-course assessment for each of the ten courses designated by the State Board of Education.

Features the Georgia Milestones Assessment System include:

- open-ended (constructed-response) items in English Language Arts and mathematics (all grades and courses);
- a writing component in response to passages read by students at every grade level and course within the English Language Arts assessment;
- norm-referenced items in all content areas and courses, to complement the criterion-referenced information and to provide a national comparison; and
- transition to online administration over time, with online administration considered the primary mode of administration and paper-pencil as back-up until the transition is complete.



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Importantly, Georgia Milestones is designed to provide students with critical information about their own achievement and their readiness for their next level of learning – be it the next grade, the next course, or employer (college or career).

Informing parents, educators, and the public about how well students are learning important content is an essential aspect of any educational assessment and accountability system. Parents, the public, and policy makers, including local school districts and boards of education, can use the results as a barometer of the quality of educational opportunity provided throughout the state of Georgia.

As such, Georgia Milestones serves as a key component of the state's accountability system – the College and Career Ready Performance Index (CCRPI).

Contact Information

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Assessment Specialist/Guest Support Liaison

Resources

Test Administration and Educator Resources

- End of Grade (EOG) Resources
- End of Course (EOC) Resources
- Georgia Milestones Presentation

Parent Resources

- Georgia Milestones EOG Study/Resource Guides
- Parent's Guide to EOG Student Report
- Georgia Milestones EOC Study/Resource Guides
- Parent's Guide to EOC Student Report
- Georgia Milestones Parent Q&A Brochure
- Guide: Homework for Study/EOG
- Understanding the Milestones Achievement Levels

Translated Parent Resources

- End of Grade (EOG) Spanish
- Parent's Guide to EOG Student Report - Spanish
- End of Course (EOC) Spanish
- Parent's Guide to EOC Student Report - Spanish
- General FAQs - Spanish
- Georgia Milestones Parent Q & A Brochure - Spanish

Georgia Milestones End of Grade Study/Resource Guides

The Study/Resource Guides are intended to serve as a resource for parents and students. They contain practice questions and learning activities for each content area. The standards identified in the Study/Resource Guides address a sampling of the state-mandated content standards.

For the purposes of day-to-day classroom instruction, teachers should consult the wide array of resources that can be found at www.georgiastandards.org.

- Grade 3 EOG Study/Resource Guide
- Grade 4 EOG Study/Resource Guide
- Grade 5 EOG Study/Resource Guide
- Grade 6 EOG Study/Resource Guide
- Grade 7 EOG Study/Resource Guide
- Grade 8 EOG Study/Resource Guide

Cont
Mary
Asse
Geor
Cont
Admi
Phon
Fax:
Email

Joe
Asse
Geor
Phon
Fax:

Types of Items on GMA

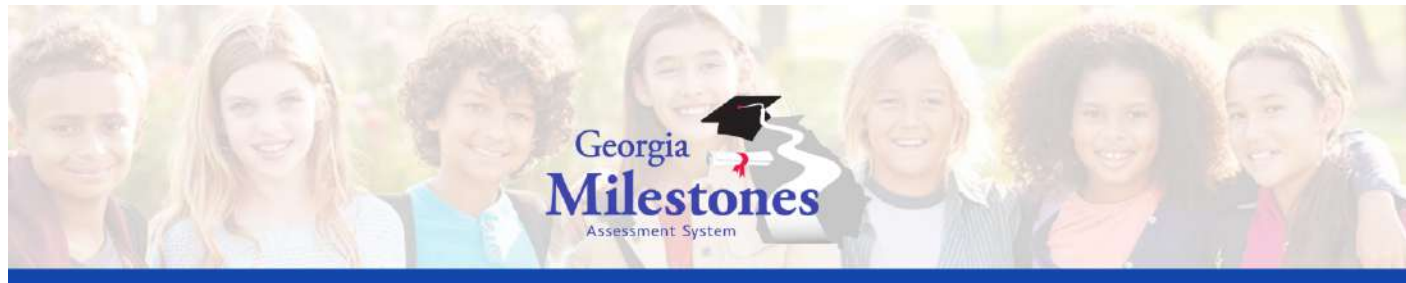
- Selected-response items
- Technology-enhanced items
- Constructed-response items
- Extended constructed response items

Depth of Knowledge

- Level 1 (Recall of Information)
- Level 2 (Basic Reasoning)
- Level 3 (Complex Reasoning)
- Level 4 (Extended Reasoning)

Georgia Milestones Assessment

- ▶ <http://gaexperienceonline.com/> - Choose EOG Test Practice - Grade 3-5
- ▶ Use this site to familiarize your student with the online testing format.



Welcome to Experience Online Testing Georgia!

This practice site lets students see what testing online is like. Parents and educators are welcome to try it too. The items on the demonstration tests are general and are organized into three grade bands: Grades 3 – 5, Grades 6 – 8, and High School in the content areas of English Language Arts, Mathematics, Science, and Social Studies. The items do not necessarily represent the specific grade-level content that students learn daily in their classrooms. Included in this site are examples of new types of test items that are being field tested this spring. Items that are field tested do not impact the scores of students. The primary purpose is to let students experience, firsthand, the functionality of the online testing platform. The sample tests are not graded, so have fun!



Documentation



Tutorial



Test Practice

The Test Practice is available daily from 7 AM to 10 PM Eastern time. Note that Google Chrome is the only supported browser for this public version of the DRC INSIGHT test engine. If you are using a browser other than Google Chrome, copy the link below into Google Chrome.

<https://wbte.drcedirect.com/GA/portals/ga>



FIELD TEST (EOG & EOC)
READING & EVIDENCE-BASED WRITING

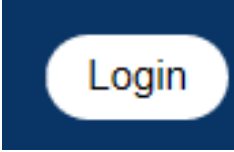
Online Tools Training



**SECURE PRACTICE TEST
(EOG & EOC)**
WITH TRANSMISSION

Online Tools Training

Typing Club

- ▶ <https://www.typingclub.com/>
- ▶ Click on  in top right hand corner of webpage
- ▶ Creating a login will allow students to continue their progress the next time they login back in.
- ▶ Georgia Milestones Assessment for 3rd – 5th is administered on the computer. Students must type their constructed responses and the writing component.

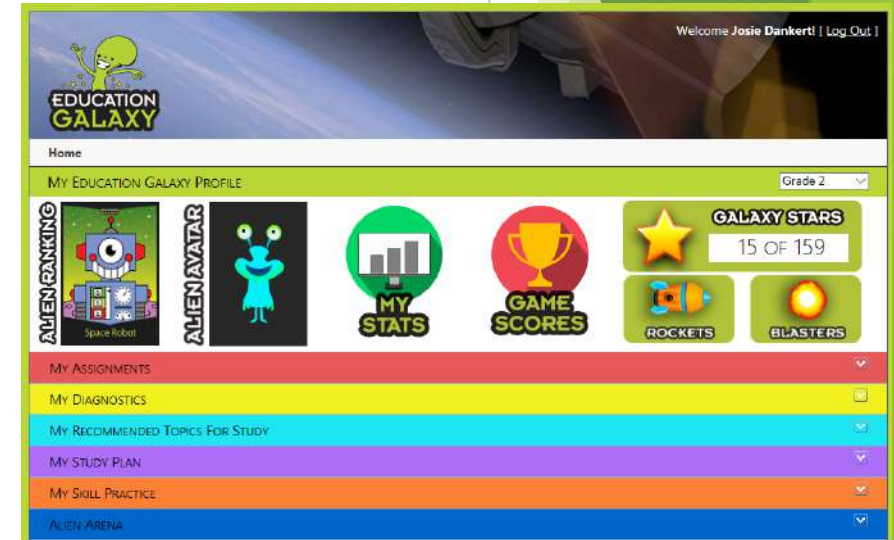
Education Galaxy



► www.educationgalaxy.com

See your teacher username and password😊

Resource for student skill practice at home
in Reading, ELA, and Math



Canvas

Due to the inclement weather that Paulding County has experienced in previous years, we will be providing some make-up learning time through a digital learning format during inclement weather.

Teachers will provide assignments via Canvas, our learning management system, for students to complete if inclement weather occurs. Teachers will also be available for virtual "office hours" through Canvas should students or parents have questions on the material or need assistance with their learning during this time.

Access to Canvas - <https://www.paulding.k12.ga.us/domain/207>

Canvas For Parents Link - <https://www.paulding.k12.ga.us/Page/28792>

- Guidance on how to access canvas as an observer of your student's account
- How to receive a pairing code