ORANGE PUBLIC SCHOOLS OFFICE OF CURRICULUM AND INSTRUCTION OFFICE OF MATHEMATICS

GRADE 4 MATHEMATICS Pre – Assessment

Directions, Answer Key, and Scoring Rubrics



School Year 2013-2014

Grade 4 Pre Assessment – School year 2013-2014 Directions, Answer Key, and Scoring Rubrics

Before the Test Students need:	A copy of the examinati Scrap Paper Answer Sheet One or more No. 2 penc	on (consumable) ils		
During the Test:	Students should have 1 class period to complete the test. At the teacher's discretion, the test may be administered in one or two sessions.			
After the Test:	Student scores should be	e calculated as fol	llows:	
After the Test:	Student scores can be ca	lculated as follow	vs:	
<i>Multiple Choice</i> : Number of items correct Items 1 – 20 [20 possible MC points	et × 1 pt]	=	MC	
Short Constructed Resp Number of items correc Items 21-25 [5 possible SCR points]	ponse: et × 1 pt	=	SCR	
Extended Constructed Response: Add scores on items 26 – 27 (based on rubrics) [11 possible SCR points] = ECR				
Student score (35 possible points - Add lines mc, scr, and ecr) = Assign grades according to district grading policy.				

Answer Key for Grade 4 Pre-Assessment

Item #	Answer	CCSS	Description
1.	В	4.NF.7	Comparing Decimals
2.	D	4.NF.6	Use decimal notation for Fractions with denominators
3.	А	4.NF.6	Use decimal notation for Fractions with denominators
4.	С	4.NF.2	Comparing Fractions with different numerators and different denominators
5.	D	4.NF.2	Comparing Fractions with different numerators and different denominators
6.	С	4.NF.7	Comparing Decimals
7.	С	4.NF.3c	Subtraction of Fractions
8.	D	4.NF.3b	Decomposing a Fraction
9.	А	4.NF.1	Equivalent Fractions
10.	С	4.NF.7	Comparing Decimals
11.	В	4.NF.4a	Fractions as a multiple of $\frac{1}{b}$
12.	А	4.NF.3b	Decomposing a Fraction
13.	С	4.NF.4b	Unit fraction multiples
14.	А	4.NF.2	Comparing Fractions
15.	С	4.NF.1	Equivalent Fractions
16.	С	4.NF.1	Equivalent Fractions
17.	С	4.NF.3c	Subtracting Mixed Fractions
18.	А	4.NF.1	Equivalent Fractions
19.	В	4.NF.2	Comparing Fractions
20.	D	4.NF.3a	Understanding addition of fractions as joining separate parts referring to the same whole.

Questions 1 - 20: Multiple Choice (1 point each)

Short Answers	for Sh	ort Constru	icted Respo	onse Items 2	21-22:
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	Correct Answer	CCSS
21.	>	4.NF.7
Description	Comparing decimals.	
22.	$\frac{8}{10}or\frac{4}{5}$	4.NF.3c
Description	Adding fractions.	
23.	0.93 or .93	4.NF.6
Description	Writing a fraction as a decimal.	
24.	$\frac{68}{100}$	4.NF.5
Description	Writing a decimal as a percent.	
25.	$\frac{8}{4}$ or 2	4.NF.4a
Description	Multiply fractions with repeated addition.	

Extended Constructed Response 26-27:

SPECIFIC SCORING RUBRIC FOR QUESTION 26:

Picking Fractions	Total Points
Puts the fractions into the correct baskets	5
1/2 = 4/8, $3/6$, and $2/4$	
1/4 = 2/8 and $3/12$	
3/4 = 6/8 and $9/12$	
1/3 = 3/9, $2/6$ and $4/12$	
2/3 = 6/9 and $8/12$	
All correct 5 points	
Partial credit	
9, 10, 11 fractions correct 4 points:	(4)
8, 7 fractions correct 3 points:	(3)
6, 5 fractions correct 2 points:	(2)
4, 3 fractions correct 1 point	(1)
Puts one more correct equivalent fraction onto each plate	2
All 5 correct	
Partial credit	
2-3-4 correct	(1)
Fills in the missing values such as:	
denominator 5 and numerator 4	
or denominator 4 and numerator 5	
or denominator 2 and numerator 10	1
or denominator 1 and numerator 2-	1
or denominator 20 and numerator 1	
and	
Gives correct explanation such as: They would both fall on the	
same point on a number line	

Extended Constructed Response 26-27:

SPECIFIC SCORING RUBRIC FOR QUESTION 27:

Fractions and Rectangles	Total Points
a.	
3	
12	1
b.	
Laura is correct.	
Sample answer: We can see this by simply	2
re-arranging the shaded parts of the	
rectangle to form a single row.	