ORANGE PUBLIC SCHOOLS OFFICE OF CURRICULUM AND INSTRUCTION OFFICE OF MATHEMATICS

GRADE 5 MATHEMATICS Pre – Assessment

Directions, Answer Key, and Scoring Rubrics



School Year 2013-2014

Grade 5 Pre Assessment – School year 2013-2014

Directions, Answer Key, and Scoring Rubrics

Before the Test Students need:	A copy of the examination Scrap Paper Answer Sheet One or more No. 2 penci	on (consumable) ls	
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	calculated as follows:	
After the Test:	Student scores can be cal	culated as follows:	
<i>Multiple Choice</i> : Number of items correct Items 1 – 20 [20 possible MC points	rt × 1 pt]	=	MC
Short Constructed Resp Number of items correc Items 21-25 [5 possible SCR points]	oonse: et × 1 pt	=	SCR
<i>Extended Constructed I</i> Add scores on items 26 (based on rubrics) [12 possible SCR point	Response: - 27 s]		

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ECR

Student score (35 possible points - Add lines mc, scr, and ecr) = Assign grades according to district grading policy.

Answer Key for Grade 5 Pre-Assessment

Item #	Answer	CCSS	Description
1.	D	5.NF.1	Addition and Subtraction of Fractions
			Apply and extend previous understandings of division to
			divide unit fractions by whole numbers and whole
2.	D	5.NF.7b	numbers by unit fractions
			Apply and extend previous understandings of
3	P	5 NE 4a	a fraction
5.	D	J.111.4a	Comparing the size of a product to the size of one factor
			on the basis of the size of the other factor, without
4.	А	5.NF.5	performing the indicated multiplication
			Apply and autonal provides understandings of
			multiplication to multiply a fraction or whole number by
5.	В	5.NF.4	a fraction.
			Apply and extend previous understandings of division to
			divide unit fractions by whole numbers and whole
6.	D	5.NF.7a	numbers by unit fractions
7	D	5.NF.1	Addition and Subtraction of Fractions
		011 (1 11	
8.	В	5.NF.1	Addition and Subtraction of Fractions
9.	В	5.NF.1	Addition and Subtraction of Fractions
10.	D	5.NF.1	Addition and Subtraction of Fractions
			Apply and extend previous understandings of
	_		multiplication to multiply a fraction or whole number by
11.	В	5.NF.4a	a fraction.
			Apply and extend previous understandings of multiplication to multiply a fraction or whole number by
12	А	5 NF 4a	a fraction
		0111111	Apply and extend previous understandings of
			multiplication to multiply a fraction or whole number by
13.	С	5.NF.4a	a fraction.
14.	А	5.NF.1	Addition and Subtraction of Fractions
			Apply and extend previous understandings of division to
			divide unit fractions by whole numbers and whole
15.	А	5.NF.7b	numbers by unit fractions.
10	D	5 NE 2	Interpret a fraction as division of the numerator by the
16.	В	5.NF.3	denominator.

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

17		5 NE 4	Apply and extend previous understandings of multiplication to multiply a fraction or whole number by
17.	A	J.INI ^{.,4}	
			Comparing the size of a product to the size of one factor
			on
			the basis of the size of the other factor, without
			performing the
18	В	5 NF 5a	indicated multiplication
10.	D	5.111.54	
10	۸	5 NF 1	Addition and Subtraction of Fractions
19.	A	J.INF.1	
20.	C	5.NF.1	Addition and Subtraction of Fractions

Short Answers for Short Constructed Response Items 21-22:

	Correct Answer	CCSS
21.	$\frac{8}{49}cm^2$	5.NF.4b
Description	Area with Fractions	
22.	$\frac{2}{13}$ of a mile	5.NF.1
Description	Subtraction of fractions	
23.	$\frac{3}{4}$ of a cup	5.NF.1
Description	Addition of fractions	
24.	$\frac{1}{24}$ miles each hour	5.NF.7c
Description	Division of fractions	
25.	$3\frac{1}{2}$ square inches or in ²	5.NF.4b
Description	Multiply fractions with repeated addition.	

Extended Constructed Response 26-27:

SPECIFIC SCORING RUBRIC FOR QUESTION 26:

Salad Dressing		Total Points
a. $\frac{1}{2}$;	equation: $\frac{1}{3} + \frac{1}{6} = n$	2
b. $\frac{1}{12};$	equation: $\frac{1}{2} \div 6 = n$	2

Extended Constructed Response 26-27:

SPECIFIC SCORING RUBRIC FOR QUESTION 27:

Cindy's Cats	Points	Total Points
$a \frac{7}{2}$	1	2
8		
Show work such as:	1	
$\frac{1}{-+}$	1	
2 4 8		
4 _ 2 _ 1 _ 7		
$\frac{-\overline{8}}{8} + \frac{-\overline{8}}{8} + \frac{-\overline{8}}{8} - \frac{-\overline{8}}{8}$		
b. Suzie slept $\frac{1}{10}$ of the day more	1	2
Shows correct such as : $\frac{3}{5} = \frac{6}{10}$	1	
and so $\frac{7}{10} - \frac{6}{10} = \frac{1}{10}$		
c. Gives correct answer: 1/12	1	2
Shows correct work such as: $1/3 + 5/12$	1	
+1/6 = 4/12 + 5/12 + 2/12 = 11/12	1	
12/12 - 11/12 = 1/12		
Partial credit		
Gives answer $11/12$ and shows correct		
work.	(1)	
d. 45 times	1	2
Gives correct explanations such as:		
$\frac{1}{4} = \frac{23}{100}$ and $\frac{3}{10} = \frac{30}{10}$ So $25 + 30 = 55$		
4 100 10 10 Therefore Sammy and Tommy used it		
55 times 100 $-55 - 45$		
This means Suzi used it 45 times		
This mount bull used it is times.		