APPENDIX H

5TH GRADE MATHEMATICS OBJECTIVE CARD

MATH GRADE 5 QUARTER ONE

STUDENT NAME/NUMBER: _____/_____ **SCHOOL**: _____ **YEAR**: _____

Directions: This card identifies the grade level district standards, provides pacing information, and provides a place for recording student achievement on each objective. Progress should be recorded at the end of each chapter. Each objective's math strand is listed immediately following the objective, e.g. [NUM] = number sense. Reteaching, Relearning, and Retesting apply to all students who earn a mark of 2 or lower on an objective.

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First Quarter						
#	Mark				Objective	Assessment
	4	3	2	1		
Chapter One (Place Value of Whole Numbers and Decimals) 8 days						
1.1					Read and write numbers through hundred thousands in standard and expanded form. [NUM]	Test:
1.2					Read and write numbers through hundred thousands with exponents. [NUM]	
1.3					Read and write numbers through hundred billions in standard and expanded forms. [NUM]	Retest:
1.4					Compare, order, and round whole numbers through hundred billions. [NUM] [CRT] [MAT]	
1.5					Read and write decimals through thousandths. [NUM] [CRT]	
1.6					Look for a pattern to solve a problem. [PS] [MAT]	
1.7					Compare, order, and round decimals. [NUM] [CRT]	
Chapter Two (Add and Subtract Whole Numbers) 5 days						
2.1					Read, write, & evaluate expressions with variables & apply addition properties. [ALG] [MAT] [CRT]	Test:
2.3					Add and subtract whole numbers with up to five digits. [COMP] [MAT] [CRT]	
2.5					Use mental math to solve addition and subtraction equations. [ALG] [MAT] [CRT]	Retest:
2.6					Find the information needed to solve a problem. [PS]	
BF	Date:				Has mastered mixed addition and subtraction facts through 20. [COMP]	
Chapter Three (Multiply Whole Numbers) 7 days						
3.1					Evaluate algebraic expressions and use properties of multiplication. [ALG] [MAT] [CRT]	Test:
3.2 3.4					Use the distributive property to multiply. [ALG] [CRT] [MAT] Multiply by one-digit numbers. [COMP] [MAT] [CRT]	
3.3					Use logical reasoning to solve problems. [PS]	Retest:
3.5					Use mental math to multiply a number by a multiple of 10. [COMP]	
3.7					Multiply by a two-digit number. [COMP] [MAT] [CRT]	
BF	Date:				Has mastered multiplication facts 0-12. [COMP] [CRT]	
Chapter Four (Divide by One-digit Numbers) 8 days						
4.1 4.2					Estimate quotients using basic multiplication facts. Use compatible numbers and place value to divide. [COMP]	Test:
4.3					Choose operations to solve a problem. [PS] [MAT]	
4.4					Determine when 2, 3, 4, 5, 6, 9, or 10 is a factor of a number. [NUM] [MAT]	Retest:
4.5					Determine when to put zeros in the quotient. [COMP] [MAT]	
4.6					Use "guess and check" to solve a problem. [PS]	
4.7					Use mental math to solve multiplication and division equations. [ALG]	
BF	Date:				Has mastered division facts 0-12. [COMP]	
Chapter Five (Divide by Two-digit Numbers) 7 days						
5.1 5.2					Use patterns and mental math to divide by multiples of 10, 100, & 1000. Divide by a two-digit divisor and estimate to place the first digit in the quotient. [COMP] [MAT]	Test:
5.3					Solve problems by working backward. [PS]	Retest:
5.5					Divide by a two-digit number into a dividend with up to six digits. [COMP] [CRT] [MAT]	
5.6					Use order of operations to simplify expressions. [ALG] [MAT]	
5.7					Solve problems involving remainders. [PS]	

Comments:

MATH GRADE 5 QUARTER TWO

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Second Quarter						
#	Mark				Objective	Assessment
	4	3	2	1		
Chapter Six (Units of Measure) 7 days						
6.2					Estimate, compare, and convert customary units of length. [MEAS] [MAT]	Test:
6.3					Change one customary unit of weight or capacity to another. [MEAS] [MAT] [CRT]	
6.4					Measure lengths in metric units and change from one unit of metric length to another; select appropriate units. [MEAS] [MAT] [CRT]	Retest:
6.5					Change from one metric unit of mass or capacity to another. [MEAS] [CRT]	
6.6					Add and subtract measurements. [MEAS]	
6.7					Decide how to solve problems that involve more than one step. [PS]	
Chapters Seven and Eight (Data and Statistics) 7 days						
7.1					Use a double bar graph to compare sets of data. [DAP] [MAT] [CRT]	Test:
7.3					Interpret and make line graphs and double line graphs. [DAP] [CRT]	
7.5					Recognize when and explain why data on graphs are displayed in misleading ways. [DAP] [MAT]	Retest:
8.2					Make and use a line plot to find the mean, median, mode, and range of a set of data. [DAP] [CRT]	
8.4					Make a table to solve problems. [PS] [MAT]	
8.5					Draw conclusions based on data and make predictions based on those conclusions. [DAP] [MAT]	
Chapter Nine (Number Theory and Fraction Concepts) 9 days						
9.1					Identify prime and composite numbers. [NUM] [CRT]	Test:
9.2					Write the prime factorization of a number. [NUM]	
9.3					Find common factors and the greatest common factor of two numbers. [NUM] [CRT]	
9.4					Find common multiples and the least common multiple of two or more numbers. [NUM]	Retest:
9.5					Write fractions and mixed numbers. [NUM] [CRT]	
9.6					Use multiplication to find equivalent fractions and write fractions in simplest form. [NUM] [CRT] [MAT]	
9.7					Use logical reasoning to solve a problem. [PS]	
9.9					Compare and order fractions and decimals. [NUM] [MAT] [CRT]	
Chapter Ten (Add and Subtract Fractions) 7 days						
10.2					Add fractions and mixed numbers with like denominators. [COMP] [MAT] [CRT]	Test:
10.3					Add fractions with unlike denominators. [COMP] [MAT]	
10.4					Add mixed numbers with unlike denominators. [COMP]	Retest:
10.5					Subtract fractions and mixed numbers with like denominators. [COMP] [CRT] [MAT]	
10.6					Subtract fractions with unlike denominators. [COMP] [MAT] [CRT]	
10.8					Subtract mixed numbers with unlike denominators. [COMP]	
Chapter Eleven (Add and Subtract Decimals) 5 days						
11.1 11.2					Add and subtract decimals. [MAT] Add decimals through thousandths. [COMP] [MAT] [CRT]	Test:
11.3					Subtract decimals through thousandths with and without regrouping. [COMP] [MAT] [CRT]	Retest:
11.5					Choose a computation method to solve a problem. [PS]	

Comments:

MATH GRADE 5 QUARTER THREE

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Third Quarter						
#	**Mark**				**Objective**	**Assessment**
	4	**3**	**2**	**1**		
Chapter Twelve (Multiply and Divide Fractions) 7 days						
12.1 12.2					Use area to find the product of two fractions. Find the product of two fractions. [COMP] [MAT] [CRT]	Test: Retest:
12.3					Find products of fractions and mixed numbers. [COMP] [CRT]	
12.4 12.5					Use models to divide with fractions. Use the reciprocal to divide fractions. [COMP]	
10.7					Use a diagram to solve problems. [PS]	
Chapter Thirteen (Multiply Decimals) 6 days						
13.1 13.2					Use models to explore multiplication with decimals. Find the product of a whole number and a decimal. [COMP] [CRT] [MAT]	Test: Retest:
13.4					Find the product of two decimals. [COMP] [MAT] [CRT]	
13.5					Decide when to write zeros in the products of decimal factors. [COMP]	
13.6					Review how to decide if the answer to a problem is reasonable. [COMP]	
Chapter Fourteen (Divide Decimals) 6 days						
14.1 14.3					Use models to show the relationship between dividing fractions and decimals. Use patterns to multiply and divide by powers of 10. [COMP]	Test: Retest:
14.4					Divide a decimal by a whole number. [COMP] [CRT]	
14.5					Write one or more zeros in the dividend to help solve division problems. [COMP]	
14.6					Decide how to write the quotient to solve a problem. [PS]	
Chapter Fifteen (Plane Figures and Geometric Concepts) 8 days						
15.1					Identify and label points, lines (parallel, perpendicular, intersecting), line segments, and rays. [GEOM] [MAT] [CRT]	Test: Retest:
15.2					Measure, draw and classify angles. [GEOM]	
15.3					Classify triangles and find missing angle measures in a triangle. [GEOM] [CRT]	
15.4					Identify congruent figures and congruent parts of figures. [GEOM] [MAT]	
15.5					Identify, classify, and compare polygons. [GEOM] [MAT] [CRT]	
15.6					Identify and model translations, rotations, and reflections. [GEOM] [MAT]	
15.8					Draw circles and identify parts of circles. [GEOM] [CRT]	
Chapter Sixteen and Seventeen (Perimeter and Area, Solid Figures, and Volume) 8 days						
16.1					Find the perimeter of plane figures. [GEOM] [MAT] [CRT]	Test: Retest:
16.2					Use a pattern to solve a problem. [PS] [MAT]	
16.3					Use a formula for the areas of parallelograms. [GEOM]	
16.4					Find and use the formula to find the area of a triangle. [GEOM] [MAT]	
17.1					Identify solid figures and features (vertices, faces). [GEOM] [MAT] [CRT]	
17.5					Solve problems by first solving simpler problems. [PS]	
17.6					Use a formula to find the volume of a cube, a rectangular prism, and a triangular prism. [GEOM]	

Comments:

MATH GRADE 5 QUARTER FOUR

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Fourth Quarter						
#	Mark				Objective	Assessment
	4	3	2	1		
Chapter Eighteen (Ratio and Proportion) 6 days						
18.1					Read, write, and simplify ratios. [ALG]	Test:
18.2					Use multiplication and division to find equivalent ratios. [ALG]	
18.3					Compare two quantities with different units. [ALG]	Retest:
18.4					Learn what a proportion is, how to form cross products, and whether two ratios form a proportion. [ALG]	
18.5					Interpret scale drawings and identify similar figures. [ALG] [GEOM] [CRT] [MAT]	
Chapter Nineteen (Percent) 5 days						
19.1 19.2					Understand percents as ratios. Relate fractions, decimals, and percents. [NUM] [CRT] [MAT]	Test:
19.3					Use fractions, decimals, and percents to compare numbers. [NUM] [CRT]	Retest:
19.4					Use mental math to find 10% and multiples of 10% of a number. [COMP]	
Chapter Twenty (Probability) 6 days						
20.1					Use organized lists, tree diagrams, and multiplication to find all the possible combinations of given items. [DAP]	Test:
20.2					Describe the probability of an event. [DAP] [MAT] [CRT]	
20.3 20.5					Use fractions to find theoretical probability. [DAP] [MAT] Determine the experimental probability for a given set of data.	Retest:
20.7					Use data to make predictions. [PS]	
Chapter Twenty-one (Equations) 4 days						
21.1					Determine what happens when you perform the same operation on both sides of an equation. [ALG]	Test:
21.2					Write and solve equations. [ALG] [MAT]	Retest:
21.3					Write an equation to solve a problem. [ALG]	
Chapters Twenty-two and Twenty-three (Integers and Coordinate Graphing) 8 days						
22.1					Identify integers and find absolute value of an integer. [ALG]	Test:
22.2					Use a number line to compare integers. [NUM]	
22.3 22.5					Use counters to model addition of integers. Add integers. [ALG]	Retest:
22.4 22.5					Use counters to model subtraction of integers. Subtract integers. [ALG]	
23.1					Graph ordered pairs in the four quadrants of the coordinate plane. [ALG] [CRT]	

Comments: