NUMBER AND QUANTITY			
Place Value			
Grade 5			
Score 4.0	**In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught.**		
	Score 3.5	*In addition to score 3.0 performance, partial success at score 4.0 content*	
Score 3.0	**The student will:** • use whole number exponents to denote powers of 10 (5.NBT.2) • compare two decimals to thousandths (5.NBT.3b) • round decimals to any place (5.NBT.4)		**Sample Activities:** The student will write a self-selected decimal on a notecard, using zero as the whole number. Upon cue, the student will work with a partner to compare the two decimals and to explain which decimal is greater and why.
	Score 2.5	*No major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content*	
Score 2.0	**The student will recognize or recall specific vocabulary, such as:** • base-ten numeral, compare, decimal, decimal point, digit, divide, expanded form, exponent, multi-digit number, multiply, number name, pattern, place, powers of 10, round, thousandth, value, whole number **The student will perform basic processes, such as:** • describe the value of digits in a multi-digit number (e.g., a digit in one place represents 10 times as much as it represents in the place to its right and 1/10 of what it represents in the place to its left) (5.NBT.1) • explain patterns in the number of zeroes and the decimal point when multiplying or dividing by powers of 10 (5.NBT.2) • read and write decimals to thousandths using base-ten numerals, number names, and expanded form (5.NBT.3a)		**Sample Activities:** The student will write decimals as the teacher reads them in a class setting.
	Score 1.5	*Partial success at score 2.0 content, and major errors or omissions regarding score 3.0 content*	
Score 1.0	**With help, partial success at score 2.0 content and score 3.0 content**		
	Score 0.5	*With help, partial success at score 2.0 content but not at score 3.0 content*	
Score 0.0	**Even with help, no success**		

NUMBER AND QUANTITY			
Adding and Subtracting Fractions			
Grade 5			
Score 4.0	**In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught.**		
	Score 3.5	*In addition to score 3.0 performance, partial success at score 4.0 content*	
Score 3.0	**The student will:** • solve word problems involving the addition and subtraction of fractions referring to the same whole, including cases of unlike denominators (5.NF.2) • use benchmark fractions to estimate answers and check for reasonableness (5.NF.2)		**Sample Activities:** The student will work to solve teacher determined word problems in which they will add and/or subtract fractions.
	Score 2.5	*No major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content*	
Score 2.0	**The student will recognize or recall specific vocabulary, such as:** • add, addition, benchmark fraction, denominator, estimate, fraction, mixed number, reasonableness, refer, subtract, subtraction, unlike, whole, word problem **The student will perform basic processes, such as:** • add and subtract fractions with unlike denominators, including mixed numbers (5.NF.1)		**Sample Activities:** The student will add and subtract teacher-determined fractions.
	Score 1.5	*Partial success at score 2.0 content, and major errors or omissions regarding score 3.0 content*	
Score 1.0	**With help, partial success at score 2.0 content and score 3.0 content**		
	Score 0.5	*With help, partial success at score 2.0 content but not at score 3.0 content*	
Score 0.0	**Even with help, no success**		

NUMBER AND QUANTITY			
Multiplying and Dividing Fractions			
Grade 5			
Score 4.0	**In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught.**		
	Score 3.5	*In addition to score 3.0 performance, partial success at score 4.0 content*	
Score 3.0	**The student will:** • solve real-world problems involving multiplication of fractions and mixed numbers (5.NF.6) • solve real-world problems involving division of unit fractions by non-zero whole numbers and division of whole numbers by unit fractions (5.NF.7c)		**Sample Activities:** The student will use either visual fraction models or equations to solve teacher selected word problems in which they will need to multiply or divide fractions.
	Score 2.5	*No major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content*	
Score 2.0	**The student will recognize or recall specific vocabulary, such as:** • denominator, divide, division, fraction, greater than, interpret, less than, mixed number, multiplication, multiply, number, numerator, product, real-world, scaling, unit fraction, whole number **The student will perform basic processes, such as:** • interpret a fraction as division of the numerator by the denominator and determine the location of the fraction between two whole numbers (5.NF.3) • multiply a fraction by a whole number or a fraction (5.NF.4) • interpret multiplication as scaling (e.g., multiplying a given number by a fraction greater than 1 results in a product greater than the given number; multiplying a given number by a fraction less than 1 results in a product smaller than the given number) (5.NF.5) • divide unit fractions by whole numbers and whole numbers by unit fractions (5.NF.7a; 5.NF.7b)		**Sample Activities:** The student will write the division problem that corresponds to the fraction that the teacher reads aloud.
	Score 1.5	*Partial success at score 2.0 content, and major errors or omissions regarding score 3.0 content*	
Score 1.0	**With help, partial success at score 2.0 content and score 3.0 content**		
	Score 0.5	*With help, partial success at score 2.0 content but not at score 3.0 content*	
Score 0.0	**Even with help, no success**		

OPERATIONS AND ALGEBRA			
Addition and Subtraction			
Grade 5			
Score 4.0	**In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught.**		
	Score 3.5	*In addition to score 3.0 performance, partial success at score 4.0 content*	
Score 3.0	**The student will:** • add and subtract decimals to hundredths and explain the strategies and reasoning used (5.NBT.7)		**Sample Activities:** The students will be given their own set of teacher selected decimals. They will proceed to write out the steps they would take for adding the two decimals as well as what steps they would take for subtracting the decimals. The students will explain their reasoning to a partner.
	Score 2.5	*No major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content*	
Score 2.0	**The student will recognize or recall specific vocabulary, such as:** • add, concrete, decimal, hundredth, model, reasoning, strategy, subtract **The student will perform basic processes, such as:** • add and subtract decimals to hundredths using concrete models or drawings (5.NBT.7)		**Sample Activities:** Using money as a model, students will add and subtract teacher-determined decimals.
	Score 1.5	*Partial success at score 2.0 content, and major errors or omissions regarding score 3.0 content*	
Score 1.0	**With help, partial success at score 2.0 content and score 3.0 content**		
	Score 0.5	*With help, partial success at score 2.0 content but not at score 3.0 content*	
Score 0.0	**Even with help, no success**		

OPERATIONS AND ALGEBRA			
Multiplication and Division			
Grade 5			
Score 4.0	**In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught.**		
	Score 3.5	*In addition to score 3.0 performance, partial success at score 4.0 content*	
Score 3.0	**The student will:** • illustrate and explain the multiplication and division of whole numbers using equations, rectangular arrays, and/or area models (5.NBT.5; 5.NBT.6) • multiply and divide decimals to hundredths and explain the strategies and reasoning used (5.NBT.7)		**Sample Activities:** The students will multiply two decimals orally given by the teacher. When all the students have finished, they will show their answers. The students will turn to a partner to explain the process they used to get their final answer. The students who get the answer correct earn a point.
	Score 2.5	*No major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content*	
Score 2.0	**The student will recognize or recall specific vocabulary, such as:** • area model, concrete, decimal, digit, divide, dividend, division, divisor, equation, hundredth, illustrate, model, multiplication, multiply, reasoning, rectangular array, strategy, whole number **The student will perform basic processes, such as:** • multiply whole numbers and divide whole numbers with up to four-digit dividends and two-digit divisors (5.NBT.5; 5.NBT.6) • multiply and divide decimals to hundredths using concrete models or drawings (5.NBT.7)		**Sample Activities:** The students will compute a multiplication problem orally given by the teacher. When all the students have finished, they will show their answers. The students who get the answer correct earn a point.
	Score 1.5	*Partial success at score 2.0 content, and major errors or omissions regarding score 3.0 content*	
Score 1.0	**With help, partial success at score 2.0 content and score 3.0 content**		
	Score 0.5	*With help, partial success at score 2.0 content but not at score 3.0 content*	
Score 0.0	**Even with help, no success**		

OPERATIONS AND ALGEBRA			
Expressions and Equations			
Grade 5			
Score 4.0	**In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught.**		
	Score 3.5	*In addition to score 3.0 performance, partial success at score 4.0 content*	
Score 3.0	**The student will:** • write linguistically-expressed calculations using symbols (e.g., expressing "add eight and seven, then multiply by two" as 2*x* (8 + 7)) (5.OA.2) • interpret numerical expressions without evaluating them (e.g., 3*x* (183 + 921) is three times as large as 183 + 921) (5.OA.2)		**Sample Activities:** The student will complete a matching activity in which they will receive a mixture of expressions, written both numerically and linguistically. The student will match the correct numerical expression with its linguistic form.
	Score 2.5	*No major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content*	
Score 2.0	**The student will recognize or recall specific vocabulary, such as:** • brace, bracket, calculation, evaluate, express, expression, linguistic, numerical, parentheses, symbol **The student will perform basic processes, such as:** • evaluate expressions with parentheses, brackets, or braces (5.OA.1)		**Sample Activities:** The student will complete a matching activity in which they will receive a mixture of expressions and answers. The student will evaluate each expression in order to match the expression to the correct answer.
	Score 1.5	*Partial success at score 2.0 content, and major errors or omissions regarding score 3.0 content*	
Score 1.0	**With help, partial success at score 2.0 content and score 3.0 content**		
	Score 0.5	*With help, partial success at score 2.0 content but not at score 3.0 content*	
Score 0.0	**Even with help, no success**		

OPERATIONS AND ALGEBRA			
Patterns			
Grade 5			
Score 4.0	**In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught.**		
	Score 3.5	*In addition to score 3.0 performance, partial success at score 4.0 content*	
Score 3.0	**The student will:** • form ordered pairs from numerical patterns (5.OA.3) • interpret the relationship between patterns by graphing ordered pairs on a coordinate plane (5.OA.3)		**Sample Activities:** The student will be given a table of data in which to graph on chart paper. They will use their graphs to then write ordered pairs based on where they plotted their data.
	Score 2.5	*No major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content*	
Score 2.0	**The student will recognize or recall specific vocabulary, such as:** • coordinate plane, generate, graph, interpret, numerical, ordered pair, pattern, relationship, rule **The student will perform basic processes, such as:** • generate numerical patterns using given rules (5.OA.3)		**Sample Activities:** The student will create their own number patterns on one side of a notecard and write the rule on the other side. Upon cue, partner will look at the pattern and try to figure out the rule.
	Score 1.5	*Partial success at score 2.0 content, and major errors or omissions regarding score 3.0 content*	
Score 1.0	**With help, partial success at score 2.0 content and score 3.0 content**		
	Score 0.5	*With help, partial success at score 2.0 content but not at score 3.0 content*	
Score 0.0	**Even with help, no success**		

GEOMETRY			
Shapes			
Grade 5			
Score 4.0	**In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught.**		
	Score 3.5	*In addition to score 3.0 performance, partial success at score 4.0 content*	
Score 3.0	**The student will:** • classify two-dimensional figures in a hierarchy based on properties (5.G.4)		**Sample Activities:** Upon seeing a picture of two-dimensional figure, the student will list out all the names that classify that shape.
	Score 2.5	*No major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content*	
Score 2.0	**The student will recognize or recall specific vocabulary, such as:** • figure, hierarchy, property, two-dimensional **The student will perform basic processes, such as:** • describe the properties of two-dimensional figures (5.G.3)		**Sample Activities:** The student will describe a teacher-selected two-dimensional shape without saying what it is, while their partner tries to guess the shape's name.
	Score 1.5	*Partial success at score 2.0 content, and major errors or omissions regarding score 3.0 content*	
Score 1.0	**With help, partial success at score 2.0 content and score 3.0 content**		
	Score 0.5	*With help, partial success at score 2.0 content but not at score 3.0 content*	
Score 0.0	**Even with help, no success**		

GEOMETRY			
Coordinate System			
Grade 5			
Score 4.0	**In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught.**		
	Score 3.5	*In addition to score 3.0 performance, partial success at score 4.0 content*	
Score 3.0	**The student will:** • graph points in the first quadrant of the coordinate plane (5.G.2) • interpret the coordinate points according to the context (5.G.2)		**Sample Activities:** Using a giant coordinate plane, the students will take turns going up to the plane to graph teacher-selected points and discuss their reasoning.
	Score 2.5	*No major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content*	
Score 2.0	**The student will recognize or recall specific vocabulary, such as:** • axis, coordinate, coordinate plane, coordinate system, graph, interpret, number, number line, ordered pair, perpendicular, plane, point, position, quadrant **The student will perform basic processes, such as:** • describe the coordinate system as a set of perpendicular number lines (5.G.1) • describe how to find a given point on the plane (e.g., using an ordered pair of numbers, corresponding to a position on each number line or axis) (5.G.1)		**Sample Activities:** In a small group setting, the students will be given a coordinate plane with different points. The coordinate plane could be a map with different locations around the city, e.g.- the grocery store, the post office, etc. The students will take turns explaining how to get from one location to another. For example, the teacher will ask a student how to get from the 'grocery store' to the 'post office.' The student will respond with how many spots to go over (x-axis) and how many spots to go up or down (y-axis).
	Score 1.5	*Partial success at score 2.0 content, and major errors or omissions regarding score 3.0 content*	
Score 1.0	**With help, partial success at score 2.0 content and score 3.0 content**		
	Score 0.5	*With help, partial success at score 2.0 content but not at score 3.0 content*	

Score 0.0	**Even with help, no success**	

GEOMETRY			
Volume			
Grade 5			
Score 4.0	**In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught.**		
	Score 3.5	*In addition to score 3.0 performance, partial success at score 4.0 content*	
Score 3.0	**The student will solve real-world and mathematical problems involving volume (5.MD.5):** • apply the formula $V = l \times w \times h$ to find the volume of right rectangular prisms (5.MD.5b) • find volumes of solid figures composed of two non-overlapping right rectangular prisms by adding the volumes of the parts (5.MD.5c)		**Sample Activities:** Students will choose a number 1-10 and be placed in a group of three. They will calculate the volume of an unknown object using their three numbers. Upon cue, they will find a new group of three
	Score 2.5	*No major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content*	
Score 2.0	**The student will recognize or recall specific vocabulary, such as:** • add, attribute, centimeter, count, cube, cubic, foot, figure, formula, improvised, inch, measure, overlap, part, relationship, right rectangular prism, solid, sum, unit cube, volume **The student will perform basic processes, such as:** • explain that volume is an attribute of solid figures (5.MD.3) • measure volume by counting unit cubes, using cubic centimeters, cubic inches, cubic feet, and improvised units and understand the relationship between the sum of the cubes and the volume formula, $V = l \times w \times h$ (5.MD.4; 5.MD.5a)		**Sample Activities:** The student will find the volume of various sizes of rectangular prisms by filling them up with different materials, e.g.- unit cubes, candy, marbles, etc.
	Score 1.5	*Partial success at score 2.0 content, and major errors or omissions regarding score 3.0 content*	
Score 1.0	**With help, partial success at score 2.0 content and score 3.0 content**		
	Score 0.5	*With help, partial success at score 2.0 content but not at score 3.0 content*	
Score 0.0	**Even with help, no success**		

MEASUREMENT, DATA, STATISTICS, AND PROBABILITY			
Measurement			
Grade 5			
Score 4.0	**In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught.**		
	Score 3.5	*In addition to score 3.0 performance, partial success at score 4.0 content*	
Score 3.0	**The student will:** • use conversions to solve multistep word problems (5.MD.1)		**Sample Activities:** The student will be given a table of measurements and will be asked to make the necessary conversions to complete the table. They will then use that table to solve multistep real word problems.
	Score 2.5	*No major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content*	
Score 2.0	**The student will recognize or recall specific vocabulary, such as:** • centimeter, conversion, foot, meter, unit, word problem, yard **The student will perform basic processes, such as:** • convert among different-sized standard measurement units within a given measurement system (e.g., feet to yards, centimeters to meters) (5.MD.1)		**Sample Activities:** The student will be given a table of measurements and will be asked to make the necessary conversions to complete the table.
	Score 1.5	*Partial success at score 2.0 content, and major errors or omissions regarding score 3.0 content*	
Score 1.0	**With help, partial success at score 2.0 content and score 3.0 content**		
	Score 0.5	*With help, partial success at score 2.0 content but not at score 3.0 content*	
Score 0.0	**Even with help, no success**		

MEASUREMENT, DATA, STATISTICS, AND PROBABILITY			
Represent and Interpret Data			
Grade 5			
Score 4.0	**In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught.**		
	Score 3.5	*In addition to score 3.0 performance, partial success at score 4.0 content*	
Score 3.0	**The student will:** • use operations to solve problems involving line plots with data in fractions of a unit (5.MD.2)		**Sample Activities:** The students will each be given a fraction in the same unit (1/8, ¼, ½). They will proceed to create a human line plot in the front of the classroom. The teacher will ask questions in relation to the plot in which the students will need to solve using basic operations. For example, the teacher might ask, "If this plot represented the number of objects in a student's desk that measured to the nearest 1/8, ¼, ½ inch, what is the total length of all of the objects in this student's desk?"
	Score 2.5	*No major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content*	
Score 2.0	**The student will recognize or recall specific vocabulary, such as:** • data, fraction, line plot, operation, unit **The student will perform basic processes, such as:** • make a line plot of measurement data in fractions of a unit (5.MD.2)		**Sample Activities:** The students will each be given a fraction in the same unit (1/8, ¼, ½). They will proceed to create a human line plot in the front of the classroom.
	Score 1.5	*Partial success at score 2.0 content, and major errors or omissions regarding score 3.0 content*	
Score 1.0	**With help, partial success at score 2.0 content and score 3.0 content**		
	Score 0.5	*With help, partial success at score 2.0 content but not at score 3.0 content*	
Score 0.0	**Even with help, no success**		