

Strand: Computation/Process		
Topic: 6.C.1/PS.1 - Divide Fluently		
Level: 6		
Score 4.0 Mastery	In addition to Score 3.0, in-depth inferences, applications, and analysis indicate an extension of learning. The student will:	<u>Sample Tasks</u> Perform an error analysis on a provided process providing the error (s) made and justification of the correct quotient. Provide more than one approach to solving a provided multi-digit division problem.
3.5	In addition to score 3.0 performance, the student has partial success at score 4.0 content.	
Score 3.0 Proficient	The student will: Divide multi-digit whole numbers fluently using at least one of the following approaches: standard algorithmic, partial quotients showing all necessary steps in the chosen process.	<u>Sample Tasks</u> $7,328/16 =$ seven hundred thirty-five divided by twenty-one equals ?
2.5	The student has no major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content.	
Score 2.0 Progressing	The student will: *Recognize or recall specific vocabulary, such as: Divisor, Dividend, Quotient, Remainder, Standard Algorithm *Perform basic processes, such as: Partial quotients, Area Model Division, Repeated Addition	<u>Sample Tasks</u>
1.5	The student has partial success at score 2.0 content, but major errors or omissions regarding score 3.0 content.	
Score 1.0 Beginning	With help, the student has partial success at score 2.0 content and score 3.0 content.	
0.5	With help, the student has partial success at score 2.0 content but not at score 3.0 content.	
Score 0.0	Even with help, the student has no success.	

Strand: Computation/Process		
Topic: 6.C.6/PS.1 - Order of Operations		
Level: 6		
Score 4.0 Mastery	<p>In addition to Score 3.0, in-depth inferences, applications, and analysis indicate an extension of learning.</p> <p>The student will:</p>	<u>Sample Tasks</u>
		Place parentheses in an equation to make it true. Perform an error analysis on a provided problem.
3.5	In addition to score 3.0 performance, the student has partial success at score 4.0 content.	
Score 3.0 Proficient	<p>The student will:</p> <p>Apply the order of operations to evaluate numerical expressions with nonnegative rational numbers, including those using grouping symbols, such as parentheses, and involving whole number exponents. Justify each step in the process and show work that demonstrates understanding.</p>	<u>Sample Tasks</u>
		$52 + (14 - 8) - 1 \times 9$ Provide a written explanation of the steps necessary to solve an order of operations problem to justify answer.
2.5	The student has no major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content.	
Score 2.0 Progressing	<p>The student will:</p> <p>*Recognize or recall specific vocabulary, such as: exponent operations</p> <p>*Perform basic processes, such as: follow the order of operations to evaluate expressions</p>	<u>Sample Tasks</u>
		$5 + (3 \times 6) - 2 =$
1.5	The student has partial success at score 2.0 content, but major errors or omissions regarding score 3.0 content.	
Score 1.0 Beginning	With help, the student has partial success at score 2.0 content and score 3.0 content.	
0.5	With help, the student has partial success at score 2.0 content but not at score 3.0 content.	
Score 0.0	Even with help, the student has no success.	

Strand: Computation/Process		
Topic: 6.C.3a/PS.1 - Add & Subtract Decimals		
Level: 6		
Score 4.0 Mastery	<p>In addition to Score 3.0, in-depth inferences, applications, and analysis indicate an extension of learning.</p> <p>The student will:</p>	<u>Sample Tasks</u> Students create a word problem for $6.4 + 3.56$. Perform an error analysis on a provided problem.
3.5	In addition to score 3.0 performance, the student has partial success at score 4.0 content.	
Score 3.0 Proficient	<p>The student will:</p> <p>Add and subtract with positive decimals fluently showing work that demonstrates understanding and provide a written explanation of the process used to arrive at the answer.</p>	<u>Sample Tasks</u> Sam has \$20. He wants to buy a pencil for \$0.75 and a book for \$6.95. How much change will he get back? Provide a written explanation of the process used to arrive at the answer.
2.5	The student has no major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content.	
Score 2.0 Progressing	<p>The student will:</p> <p>*Recognize or recall specific vocabulary, such as: place value</p> <p>*Perform basic processes, such as: add and subtract to the hundredths place</p>	<u>Sample Tasks</u> $3.1 + 1.43$ $1.2 - 0.35$
1.5	The student has partial success at score 2.0 content, but major errors or omissions regarding score 3.0 content.	
Score 1.0 Beginning	With help, the student has partial success at score 2.0 content and score 3.0 content.	
0.5	With help, the student has partial success at score 2.0 content but not at score 3.0 content.	
Score 0.0	Even with help, the student has no success.	

Strand: Computation/Process		
Topic: 6.C.3b/PS.1 - Multiply & Divide Decimals		
Level: 6		
Score 4.0 Mastery	<p>In addition to Score 3.0, in-depth inferences, applications, and analysis indicate an extension of learning.</p> <p>The student will:</p>	<u>Sample Tasks</u>
		<p>Students create a word problem for 6.4×3.56.</p> <p>Perform an error analysis on a provided piece of work.</p>
3.5	In addition to score 3.0 performance, the student has partial success at score 4.0 content.	
Score 3.0 Proficient	<p>The student will:</p> <p>Multiply and divide with positive decimals fluently showing work that demonstrates understanding.</p> <p>Provide a written explanation of the process used to arrive at an answer.</p>	<u>Sample Tasks</u>
		<p>Sam earned \$12.65 per hour. He worked 8 hours per day for 5 days. He puts 0.5 of his income in a savings account. How much does he have left to spend each week?</p> <p>Provide a written explanation of the process used to arrive at an answer.</p>
2.5	The student has no major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content.	
Score 2.0 Progressing	<p>The student will:</p> <p>*Recognize or recall specific vocabulary, such as: place value</p> <p>*Perform basic processes, such as: multiply and divide to the hundredths place</p>	<u>Sample Tasks</u>
		<p>3.12×1.43 $1.47 \div 0.35$</p>
1.5	The student has partial success at score 2.0 content, but major errors or omissions regarding score 3.0 content.	
Score 1.0 Beginning	With help, the student has partial success at score 2.0 content and score 3.0 content.	
0.5	With help, the student has partial success at score 2.0 content but not at score 3.0 content.	
Score 0.0	Even with help, the student has no success.	

Strand: Algebra and Functions		
Topic: 6.AF.1 Read, Evaluate Expressions		
Level: 6		
Score 4.0 Mastery	In addition to Score 3.0, in-depth inferences, applications, and analysis indicate an extension of learning. The student will:	<u>Sample Tasks</u> The sidewalk surrounding the garden has a width of 1.5 yards? How much concrete in square will be needed to complete the sidewalk?
3.5	In addition to score 3.0 performance, the student has partial success at score 4.0 content.	
Score 3.0 Proficient	The student will: Evaluates expressions at specific values of their variables, including expressions that arise from formulas used in real world problems.	<u>Sample Tasks</u> Given a word problem such as: Sue has a garden length of 10 m and width of 5 m. What is the area of her garden? Use $A = L \times W$ Evaluate the expression $3x + 5$ when $x = 7$. Use the order of operations to solve expressions.
2.5	The student has no major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content.	
Score 2.0 Progressing	The student will: *Recognize or recall specific vocabulary, such as: Sum, term, factor, quotient, coefficient, evaluate, expressions, and formulas *Perform basic processes, such as: substituting a given number into an equation or inequality and evaluate for validity	<u>Sample Tasks</u> Subtract y from 5. $5 - y$ The sum of 8 and a number y is 12 $8 + y = 12$ Understand that $2(8+7) = 2(8+7) + 2(7)$ Solve $A = lw$ Evaluate $3x + 7$ when $x=9$
1.5	The student has partial success at score 2.0 content, but major errors or omissions regarding score 3.0 content.	
Score 1.0 Beginning	With help, the student has partial success at score 2.0 content and score 3.0 content.	
0.5	With help, the student has partial success at score 2.0 content but not at score 3.0 content.	
Score 0.0	Even with help, the student has no success.	

Strand: Computation/Process		
Topic: 6.C.3c/PS.1 - Multiply & Divide Fractions		
Level: 6		
Score 4.0 Mastery	In addition to Score 3.0, in-depth inferences, applications, and analysis indicate an extension of learning. The student will:	<u>Sample Tasks</u> Student connects a scenario in the real world using ratios and expresses it using a graph. For example, using scales to draw proportionally, growth charts for children, sports dollars per game, etc.
3.5	In addition to score 3.0 performance, the student has partial success at score 4.0 content.	
Score 3.0 Proficient	The student will: Multiply/divide positive fractions/mixed numbers fluently showing work that demonstrates understanding.	<u>Sample Tasks</u> How much chocolate will each person get if 7 people share a 212 lbs of chocolate? Bob has lost 314 lbs for each of the past 9 weeks. How much weight has Bob lost in all?
2.5	The student has no major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content.	
Score 2.0 Progressing	The student will: *Recognize or recall specific vocabulary, such as: Reciprocal, numerator, denominator, mixed numbers, improper fractions *Perform basic processes, such as: divides/multiplies basic fractions including mixed numbers	<u>Sample Tasks</u> Solve $512 \div 14$ Solve 34×218
1.5	The student has partial success at score 2.0 content, but major errors or omissions regarding score 3.0 content.	
Score 1.0 Beginning	With help, the student has partial success at score 2.0 content and score 3.0 content.	
0.5	With help, the student has partial success at score 2.0 content but not at score 3.0 content.	
Score 0.0	Even with help, the student has no success.	

Strand: Computation/Process		
Topic: 6.C.3d/PS.1 - Add & Subtract Fractions		
Level: 6		
Score 4.0 Mastery	<p>In addition to Score 3.0, in-depth inferences, applications, and analysis indicate an extension of learning.</p> <p>The student will:</p>	<u>Sample Tasks</u>
		Student connects a scenario in the real world using ratios and expresses it using a graph. For example, using scales to draw proportionally, growth charts for children, sports dollars per game, etc.
3.5	In addition to score 3.0 performance, the student has partial success at score 4.0 content.	
Score 3.0 Proficient	<p>The student will:</p> <p>Add/subtract positive fractions/mixed numbers fluently showing work that demonstrates understanding.</p> <p>Provide a written explanation of the process used to arrive at an answer.</p>	<u>Sample Tasks</u>
		<p>How much chocolate does Sally have if she buys 3 lbs on Monday, 2 1/2 lbs on Tuesday, and 1 1/2 lbs on Wednesday?</p> <p>Bob weighed 98 lbs and has lost 3 1/4 lbs this week. How much does Bob weigh now?</p> <p>Write an explanation of the problem solving process.</p>
2.5	The student has no major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content.	
Score 2.0 Progressing	<p>The student will:</p> <p>*Recognize or recall specific vocabulary, such as: Reciprocal, numerator, denominator, mixed numbers, improper fractions</p> <p>*Perform basic processes, such as: adds/subtracts basic fractions including mixed numbers</p>	<u>Sample Tasks</u>
		<p>Solve $5 \frac{1}{2} + 1 \frac{1}{4}$</p> <p>Solve $2 \frac{3}{4} - 1 \frac{1}{8}$</p>
1.5	The student has partial success at score 2.0 content, but major errors or omissions regarding score 3.0 content.	
Score 1.0 Beginning	With help, the student has partial success at score 2.0 content and score 3.0 content.	
0.5	With help, the student has partial success at score 2.0 content but not at score 3.0 content.	
Score 0.0	Even with help, the student has no success.	

Strand: Algebra and Functions		
Topic: 6.AF.5 Equations (Part 2)		
Level: 6		
Score 4.0 Mastery	<p>In addition to Score 3.0, in-depth inferences, applications, and analysis indicate an extension of learning.</p> <p>The student will:</p>	<p>Sample Tasks</p> <p>Write real world problems that require a two or more variable equation to solve and can be represented with potential solution sets and a graph.</p>
3.5	In addition to score 3.0 performance, the student has partial success at score 4.0 content.	
Score 3.0 Proficient	<p>The student will:</p> <p>Use variables to represent two quantities in a real-world problem that change in relationship to one another; write an equation to express one quantity, thought of as the independent variable. Analyze the relationship between the dependent and independent variables using graphs and tables, and relate these to the equation.</p>	<p>Sample Tasks</p> <p>Given a real-world problem, students will generate and use an equation with a dependent or independent variable to determine potential solution sets and graph the results. Example (Jack is twice the age of Bob. Give me 3 logical pairs of ages these boys can be?) Graph your results.</p>
2.5	The student has no major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content.	
Score 2.0 Progressing	<p>The student will:</p> <p>*Recognize or recall specific vocabulary, such as: variables (dependent/independent), equations, graphs, tables, expression, functions</p> <p>*Perform basic processes, such as: Express one variable in terms of the other and find potential solutions sets (input/output table).</p>	<p>Sample Tasks</p> <p>Match vocabulary with appropriate definitions Match a list of real world scenarios to a list of given equations Evaluate real world equations with given values for dependent and independent variables Jack was twice the age of Bob. If Bob is 12, how old is Jack. If Jack is 20, how old is Bob?</p>
1.5	The student has partial success at score 2.0 content, but major errors or omissions regarding score 3.0 content.	
Score 1.0 Beginning	With help, the student has partial success at score 2.0 content and score 3.0 content.	
0.5	With help, the student has partial success at score 2.0 content but not at score 3.0 content.	
Score 0.0	Even with help, the student has no success.	

Strand: Algebra and Functions		
Topic:6.AF.8 Ordered Pairs		
Level: 6		
Score 4.0 Mastery	<p>In addition to Score 3.0, in-depth inferences, applications, and analysis indicate an extension of learning.</p> <p>The student will:</p>	Sample Tasks
		<p>Student connects a scenario in the real world using ratios and expresses it using a graph. For example, using scales to draw proportionally, growth charts for children, sports dollars per game, etc.</p>
3.5	In addition to score 3.0 performance, the student has partial success at score 4.0 content.	
Score 3.0 Proficient	<p>The student will:</p> <p>Understand signs of integers in ordered pairs as indicating locations in the quadrants of a coordinate plane.</p>	Sample Tasks
		<p>Label x-axis and y-axis and quadrants Find the coordinates of the given points within a coordinate plane and able to graph given coordinates The temperature this morning was -6 and now it is 5. How much has the temperature risen. Explain your answer. Student explains that a negative integer and its opposite are the same distance from zero.</p>
2.5	The student has no major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content.	
Score 2.0 Progressing	<p>The student will:</p> <p>*Recognize or recall specific vocabulary, such as: positive integers, negative integers, zero, opposites, coordinates (ordered pairs), axis, x-axis, y-axis, quadrants, number line</p> <p>*Perform basic processes, such as: label the x-axis, y-axis, quadrants 1-4 and find the coordinates of given points within a coordinate plane</p>	Sample Tasks
		<p>Matches vocabulary with the appropriate definitions Matches equivalent fractions Make equivalent fractions</p>
1.5	The student has partial success at score 2.0 content, but major errors or omissions regarding score 3.0 content.	
Score 1.0 Beginning	With help, the student has partial success at score 2.0 content and score 3.0 content.	
0.5	With help, the student has partial success at score 2.0 content but not at score 3.0 content.	
Score 0.0	Even with help, the student has no success.	

Strand: Number Sense		
Topic: 6.NS.10 - Rates and Ratios		
Level: 6		
Score 4.0 Mastery	In addition to Score 3.0, in-depth inferences, applications, and analysis indicate an extension of learning. The student will:	<u>Sample Tasks</u> Student connects a scenario in the real world using ratios and expresses it using a graph. For example, using scales to draw proportionally, growth charts for children, sports dollars per game, etc.
3.5	In addition to score 3.0 performance, the student has partial success at score 4.0 content.	
Score 3.0 Proficient	The student will: Solve unit rate problems including those involving unit price and constant speed with the assistance of a calculator	<u>Sample Tasks</u> It took 7 hours to mow 41 lawns, at that rate, how many lawns could to be mowed in 35 hours? At what rate were lawns being mowed? You need to buy dog food. You can get a 30 pound bag for \$60.00 at the local pet store. At the grocery store you can buy 20 pounds for \$42.00. Which is the better buy?
2.5	The student has no major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content.	
Score 2.0 Progressing	The student will: *Recognize or recall specific vocabulary, such as: ratio, unit rate, equivalent ratios, unit cost *Perform basic processes, such as: recognize and solve equivalent ratios	<u>Sample Tasks</u> Matches vocabulary with the appropriate definitions Matches equivalent fractions Make equivalent fractions
1.5	The student has partial success at score 2.0 content, but major errors or omissions regarding score 3.0 content.	
Score 1.0 Beginning	With help, the student has partial success at score 2.0 content and score 3.0 content.	
0.5	With help, the student has partial success at score 2.0 content but not at score 3.0 content.	
Score 0.0	Even with help, the student has no success.	

Strand: Algebra and Functions		
Topic:6.AF.9 Tables, Equations, and Graphs		
Level: 6		
Score 4.0 Mastery	In addition to Score 3.0, in-depth inferences, applications, and analysis indicate an extension of learning.	<u>Sample Tasks</u> Write and solve real world problems that require a two or more variable equation to solve and can be represented with potential solution sets and graphs.
3.5	In addition to score 3.0 performance, the student has partial success at score 4.0 content.	
Score 3.0 Proficient	The student will: Use variables to represent two quantities in a real-world problem that change in relationship to one another; write an equation to express one quantity, thought of as the dependent variable, in terms of the other quantity, thought of as the independent variable. Analyze the relationship between the dependent and independent variables using graphs and tables, and relate these to the equation.	<u>Sample Tasks</u> Given a real world problem, students will generate and use an equation with a dependent and independent variable to determine potential solution sets and graph the results.
2.5	The student has no major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content.	
Score 2.0 Progressing	The student will: *Recognize or recall specific vocabulary, such as: Variable(s), Dependent, Independent, equation, graph, table, expression, function *Perform basic processes, such as: Express one variable in terms of the other and find potential solution sets	
1.5	The student has partial success at score 2.0 content, but major errors or omissions regarding score 3.0 content.	
Score 1.0 Beginning	With help, the student has partial success at score 2.0 content and score 3.0 content.	
0.5	With help, the student has partial success at score 2.0 content but not at score 3.0 content.	
Score 0.0	Even with help, the student has no success.	

Strand: Number Sense		
Topic: 6.NS.5 - Using Percent		
Level: 6		
Score 4.0 Mastery	In addition to Score 3.0, in-depth inferences, applications, and analysis indicate an extension of learning. The student will:	Sample Tasks Student makes a connection between finding a percent of numbers and the need to calculate sales tax and discounts. Student calculates such percentages after independently analyzing the process.
3.5	In addition to score 3.0 performance, the student has partial success at score 4.0 content.	
Score 3.0 Proficient	The student will: Find a percent of a quantity as a rate per 100.	Sample Tasks Solves problems involving finding the whole, part or percent given the other two. What number is 30% of 80? 14 is what percent of 70? 12 is 42% of what number? 14/15 = 93%
2.5	The student has no major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content.	
Score 2.0 Progressing	The student will: *Recognize or recall specific vocabulary, such as: rate, percent, whole, part of a whole *Perform basic processes, such as: Matching basic common fractions (3/4, 1/2, 1/3, 1/4, 1/8) to the corresponding percent. Students can solve problems finding the whole	Sample Tasks Students convert fractions, decimals or percents to another form, such as: 1/2 is _____ % 0.25 is _____ as a fraction 37.5% is _____ as a decimal
1.5	The student has partial success at score 2.0 content, but major errors or omissions regarding score 3.0 content.	
Score 1.0 Beginning	With help, the student has partial success at score 2.0 content and score 3.0 content.	
0.5	With help, the student has partial success at score 2.0 content but not at score 3.0 content.	
Score 0.0	Even with help, the student has no success.	

Strand: Number Sense		
Topic: 6.NS.3 - Rational Numbers		
Level: 6		
Score 4.0 Mastery	In addition to Score 3.0, in-depth inferences, applications, and analysis indicate an extension of learning. The student will:	Sample Tasks Explain how a business losing money is a representation of a negative number. Students can compare positive and negative sea levels and temperatures.
3.5	In addition to score 3.0 performance, the student has partial success at score 4.0 content.	
Score 3.0 Proficient	The student will: Compare and order rational numbers and plot them on a number line. Write, interpret, and explain statements of order for rational numbers in real-world contexts.	Sample Tasks The temperature this morning was -9° and now it is 7° . How much has the temperature raised? Explain your answer. Students can order rational numbers without a given number line.
2.5	The student has no major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content.	
Score 2.0 Progressing	The student will: *Recognize or recall specific vocabulary, such as: rational number integer absolute value *Perform basic processes, such as: comparing rational numbers	Sample Tasks Students can order rational numbers on a given number line.
1.5	The student has partial success at score 2.0 content, but major errors or omissions regarding score 3.0 content.	
Score 1.0 Beginning	With help, the student has partial success at score 2.0 content and score 3.0 content.	
0.5	With help, the student has partial success at score 2.0 content but not at score 3.0 content.	

Score 0.0

Even with help, the student has no success.

Strand: Geometry		
Topic: 6.GM.5 Volume		
Level: 6		
Score 4.0 Mastery	In addition to Score 3.0, in-depth inferences, applications, and analysis indicate an extension of learning.	Sample Tasks Students will be given a ream of paper and a paper box and determine how many reams of paper will fit inside the paper box.
3.5	In addition to score 3.0 performance, the student has partial success at score 4.0 content.	
Score 3.0 Proficient	The student will: Find the volume of a right rectangular prism with fractional edge lengths by packing it with unit cubes of the appropriate fraction length, and shows that the volume is the same as it would be found by multiplying the edge lengths of the prism. Applies the formula $V=lwh$ and $V=Bh$ to find volumes of right rectangular prisms with fractional edge lengths in the context of solving real-world and mathematical problems.	Sample Tasks How many cubic unit blocks would fit in a prism measuring 2 by 3 $\frac{1}{2}$ by 2? Does this match the volume formula?
2.5	The student has no major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content.	
Score 2.0 Progressing	The student will: *Recognize or recall specific vocabulary, such as: volume, right rectangular prism, fractional edge. *Perform basic processes, such as: find the volume of prisms given the formula and dimensions.	Sample Tasks Matches vocabulary with the appropriate definitions. Find the volume of a prism with a base of 3 $\frac{1}{2}$, a width of 2, and a height of 2.
1.5	The student has partial success at score 2.0 content, but major errors or omissions regarding score 3.0 content.	
Score 1.0 Beginning	With help, the student has partial success at score 2.0 content and score 3.0 content.	
0.5	With help, the student has partial success at score 2.0 content but not at score 3.0 content.	
Score 0.0	Even with help, the student has no success.	