

## Cameron R-1 Scope and Sequence 5th Grade Math

Quarter 1					Quarter 2			
Days/ Weeks	1 Week	3 Weeks	2 Weeks	3 Weeks	4 Weeks	1 Week	3 Weeks	1 Week
Name of Unit	Unit 1 Line Plots	Unit 2 Place Value	Unit 3 Estimation	Unit 4 Estimate Products	Unit 5 Conversions	Unit 6 Order of Operations	Unit 7 Adding and Subtracting Fractions	Unit 8 Compare and Order Fractions
Priority Standards	<b>5.DS.A.2</b> Create a line plot to represent a given or generated data set, and analyze the data to answer questions and solve problems, recognizing the outliers and generating the median.	<b>5.NF.A.1</b> Understand that parts of a whole can be expressed as fractions and/or decimals.	<b>5.NF.B.4</b> Estimate results of sums, differences and products with fractions and decimals to the thousandths.	<b>5.NF.B.4</b> Estimate results of sums, differences and products with fractions and decimals to the thousandths.	<b>5.GM.D.9</b> Solve multi-step problems that require measurement conversions.	<b>5.RA.C.5</b> Solve and justify multi-step problems involving variables, whole numbers, fractions and decimals.	<b>5.NF.B.6</b> Solve problems involving addition and subtraction of fractions and mixed numbers with unlike denominators, and justify the solution.	<b>5.NF.A.1</b> Understand that parts of a whole can be expressed as fractions and/or decimals. <b>5.NF.A.2</b> Convert decimals to fractions and fractions to decimals. <b>5.NF.A.3</b> Compare and order fractions and/or decimals to the thousandths place using the symbols $>$ , $=$ or $<$ , and justify the solution.
Supporting Standards		<b>5.NBT.A.1</b> Read, write and identify numbers from billions to thousandths using number names, base ten numerals and expanded form. <b>5.NBT.A.2</b> Compare two numbers from billions to thousandths using the	<b>5.NBT.A.6</b> Add and subtract multi-digit whole numbers and decimals to the thousandths place, and justify the solution. <b>5.NBT.A.7</b> Multiply multi-digit	<b>5.RA.B.3</b> Write, evaluate and interpret numeric expressions using the order of operations. <b>5.RA.B.4</b> Translate written expressions into algebraic expressions.	<b>5.GM.D.8</b> Convert measurements of capacity, length and weight within a given measurement system.			

		<p>symbols <math>&gt;</math>, <math>=</math> or <math>&lt;</math>, and justify the solution.</p> <p><b>5.NBT.A.3</b> Understand that in a multi-digit number, a digit represents <math>\frac{1}{10}</math> times what it would represent in the place to its left.</p> <p><b>5.NBT.A.4</b> Evaluate the value of powers of 10 and understand the relationship to the place value system.</p> <p><b>5.NBT.A.5</b> Round numbers from billions to thousandths place.</p>	<p>whole numbers and decimals to the hundredths place, and justify the solution.</p> <p><b>5.NBT.A.8</b> Divide multi-digit whole numbers and decimals to the hundredths place using up to two-digit divisors and four-digit dividends, and justify the solution.</p>					
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Key: **Priority Standard** **Supporting Standard**

Quarter 3					Quarter 4			
Days/ Weeks	3 Weeks	2 Weeks	2 Weeks	2 Weeks	2 Weeks	2 Weeks	3 Weeks	2 Weeks
Name of Unit	Unit 9 Multiplying Fractions by a Whole	Unit 10 Multiplying Fractions	Unit 11 Estimate and Explain Multiplication	Unit 12 Dividing Fractions	Unit 13 Volume	Unit 14 Classifying Figures	Unit 15 Coordinate Graphing	Unit 16 Patterns and Rules
Priority Standards	<b>5.NF.B.7.b</b> Calculate and interpret the product of a fraction by a whole number and a whole number by a fraction.	<b>5.NF.B.7.a</b> Recognize the relationship between multiplying fractions and finding the areas of rectangles with fractional side lengths. <b>5.NF.B.7.c</b> Calculate and interpret the product of two fractions less than one.	<b>5.NF.B.5.a</b> Estimate the size of the product based on the size of the two factors. <b>5.NF.B.5.b</b> Explain why multiplying a given number by a fraction greater than 1 results in a product larger than the given number. <b>5.NF.B.5.c</b> Explain why multiplying a given number by a fraction less than 1 results in a product smaller than the given number. <b>5.NF.B.5.d</b> Explain why multiplying the numerator and denominator by the same number is equivalent to multiplying the fraction by 1.	<b>5.NF.B.8.a</b> Calculate and interpret the quotient of a unit fraction by a non-zero whole number. <b>5.NF.B.8.b</b> Calculate and interpret the quotient of a whole number by a unit fraction.	<b>5.GM.B.4.a</b> Describe a cube with edge length 1 unit as a “unit cube” and is said to have “one cubic unit” of volume and can be used to measure volume. <b>5.GM.B.4.b</b> Understand that the volume of a right rectangular prism can be found by stacking multiple layers of the base.	<b>5.GM.A.2</b> Classify figures in a hierarchy based on properties.	<b>5.GM.C.6.a</b> Represent the axes as scaled perpendicular number lines that both intersect at 0, the origin. <b>5.GM.C.6.b</b> Identify any point on the Cartesian coordinate plane by its ordered pair coordinates. <b>5.GM.C.6.c</b> Define the first number in an ordered pair as the horizontal distance from the origin. <b>5.GM.C.6.d</b> Define the second number in an ordered pair as the vertical distance from the origin.	<b>5.RA.A.1.a</b> Generate two numeric patterns given two rules. <b>5.RA.A.1.b</b> Translate two numeric patterns into two sets of ordered pairs. <b>5.RA.A.1.c</b> Graph numeric patterns on the Cartesian coordinate plane. <b>5.RA.A.1.d</b> Identify the relationship between two numeric patterns. <b>5.RA.A.2</b> Write a rule to describe or explain a given numeric pattern.
Supporting Standards		<b>5.DS.A.1</b> Create a line graph to represent a data set, and analyze the			<b>5.GM.B.5</b> Apply the formulas $V = l \times w \times h$ and $V = B \times h$ for volume of right rectangular prisms with	<b>5.GM.A.1</b> Understand that attributes belonging to a category of figures also	<b>5.GM.C.7</b> Plot and interpret points in the first quadrant of the Cartesian coordinate plane.	

		data to answer questions and solve problems.			whole-number edge lengths.	belong to all subcategories. 5.GM.A.3 Analyze and describe the properties of prisms and pyramids.		
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