

**5th Grade Priority Standards  
Math 2020-2021**

Strand	Priority Standard	Q1	Q2	Q3	Q4
Operations and Algebraic Thinking	<b>5.OA.1</b> Use parentheses, brackets or braces in numerical expressions and evaluate expressions that include symbols. <b>MP.1, MP.3</b>		x		
Operations and Algebraic Thinking	<b>5.OA.2</b> -Write simple expressions with numbers and interpret numerical expressions without evaluating them. <b>MP.2, MP.7</b>		x		
Strand	Priority Standards	Q1	Q2	Q3	Q4
Number and Operations in Base Ten	<b>5.NBT.1</b> -Recognize that in a multi-digit number, 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. <b>MP.2, MP.7</b>	x			
Number and Operations in Base Ten	<b>5.NBT.3</b> -Read, write and compare decimals to thousandths. <ul style="list-style-type: none"> <li>a. Read and write decimals to thousandths using base-ten numerals, number names and expanded form.</li> <li>b. Compare two decimals to thousandths based on meanings of the digits in each place, using <math>&gt;</math>, <math>=</math>, and <math>&lt;</math> symbols to record the results of comparisons.</li> </ul> <b>MP.2, MP.5, MP.7</b>	x			
Number and Operations in Base Ten	<b>5.NBT.5</b> -Fluently multiply multi-digit whole numbers (not to exceed four-digit by two-digit multiplication) using an algorithm. <b>MP.7, MP.8</b>	x	x		
Number and Operations	<b>5.NBT.6</b> -Divide up to four-digit dividends by two-digit divisors <ul style="list-style-type: none"> <li>a. Find whole-number quotients of whole numbers with up to four-digit dividends</li> </ul>	x	x		

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<p><b>in Base Ten</b></p>	<p>and two-digit divisors using...</p> <ul style="list-style-type: none"> <li>○ strategies based on place value</li> <li>○ the properties of operations</li> <li>○ the relationship between multiplication and division</li> </ul> <p><b>b.</b> Illustrate and explain the calculation by using equations, rectangular arrays and/or area models.</p> <p><b>MP.2, MP.3, MP.4</b></p>				
<p><b>Number and Operations in Base Ten</b></p>	<p><b>5.NBT.7-</b>Operations with decimals to hundredths.</p> <p><b>a.</b> Add, subtract, multiply and divide decimals to hundredths using...</p> <ul style="list-style-type: none"> <li>● concrete models or drawings</li> <li>● strategies based on place value</li> <li>● properties of operations</li> <li>● the relationship between addition and subtraction</li> </ul> <p><b>b.</b> Relate the strategy to a written method and explain the reasoning used.</p> <p><b>MP.2, MP.3, MP.5</b></p>		<p><b>x</b></p>		
<p><b>Strand</b></p>	<p><b>Priority Standards</b></p>	<p><b>Q1</b></p>	<p><b>Q2</b></p>	<p><b>Q3</b></p>	<p><b>Q4</b></p>
<p><b>Number and Operations-Fractions</b></p>	<p><b>5.NF.1-</b>Efficiently add and subtract fractions with unlike denominators (including mixed numbers) by...</p> <ul style="list-style-type: none"> <li>● using reasoning strategies, such as counting up on a number line or creating visual fraction models</li> <li>● finding common denominators</li> </ul> <p><b>MP.2, MP.3</b></p>		<p><b>x</b></p>		
<p><b>Number and Operations-Fractions</b></p>	<p><b>5.NF.2-</b>Solve word problems involving addition and subtraction of fractions.</p> <p><b>a.</b> a. Solve word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators.</p> <p><b>b.</b> Use benchmark fractions and number sense of fractions to estimate mentally and assess the reasonableness of answers.</p> <p><b>MP.1, MP.4</b></p>		<p><b>x</b></p>		

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<b>Number and Operations-Fractions</b>	<p><b>5.NF.4</b>-Apply and extend previous understanding of multiplication to multiply a fraction or whole number by a fraction.</p> <ul style="list-style-type: none"> <li>a. Interpret the product <math>(\frac{a}{b}) \times q</math> as a parts of a partition of <math>q</math> into <math>b</math> equal parts; equivalently, as the result of a sequence of operations <math>a \times q \div b</math>.</li> <li>b. Find the area of a rectangle with fractional side lengths by tiling it with squares of the appropriate unit fraction side lengths and show that the area is the same as would be found by multiplying the side lengths. Multiply fractional side lengths to find areas of rectangles and represent fraction products as rectangular areas.</li> </ul> <p><b>MP.1</b></p>			<b>x</b>	
<b>Number and Operations-Fractions</b>	<p><b>5.NF.6</b>-Solve real world problems involving multiplication of fractions and mixed numbers.</p> <p><b>MP.4, MP.5</b></p>			<b>x</b>	
<b>Number and Operations-Fractions</b>	<p><b>5.NF.7</b>-Apply and extend previous understandings of division to divide unit fractions by whole numbers and whole numbers by unit fractions.</p> <ul style="list-style-type: none"> <li>a. Interpret division of a unit fraction by a non-zero whole number and compute such quotients.</li> <li>b. Interpret division of a whole number by a unit fraction and compute such quotients.</li> <li>c. Solve real world problems involving division of unit fractions by non-zero whole numbers and division of whole numbers by unit fractions.</li> </ul> <p><b>MP.1, MP.4, MP.8</b></p>			<b>x</b>	

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<b>Strand</b>	<b>Priority Standards</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
<b>Measurement and Data</b>	<b>KY.5.MD.1</b> Convert among different size measurement units (mass, weight, liquid volume, length, time) within one system of units (metric system, U.S. standard system and time). <b>MP.3, MP.8</b>			<b>x</b>	
<b>Measurement and Data</b>	<b>5.MD.2</b> -Identify and gather data for statistical questions focused on both categorical and numerical data. Select an appropriate data display (bar graph, pictograph, dot plot). Make observations from the graph about the questions posed. <b>MP.4, MP.5, MP.6</b>			<b>x</b>	<b>x</b>
<b>Measurement and Data</b>	<b>5.MD.4</b> -Measure volumes by counting unit cubic cm, cubic in, cubic ft. and improvised units. <b>MP.5, MP.6</b>				<b>x</b>
<b>Measurement and Data</b>	<b>5.MD.5</b> -Relate volume to the operations of multiplication and addition and solve real world and mathematical problems involving volume. <ul style="list-style-type: none"> <li>a. Find the volume of a right rectangular prism with whole number side lengths by packing it with unit cubes and show that the volume is the same as would be found by multiplying the edge lengths, equivalently by multiplying the height by the area of the base. Represent threefold whole-number products as volumes.</li> <li>b. Apply the formulas <math>V = l \times w \times h</math> and <math>V = B \times h</math> for rectangular prisms with whole-number edge lengths in the context of solving real world and mathematical problems</li> <li>c. Recognize volume as additive. Find volumes of solid figures composed of two non-overlapping right rectangular prisms by adding the volumes of the non-overlapping parts, applying this technique to solve real world problems.</li> </ul> <b>MP.1, MP.4, MP.8</b>				<b>x</b>
<b>Strand</b>	<b>Priority Standard</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
<b>Geometry</b>	<b>5.G.2</b> -Represent real world and mathematical problems by graphing points in the first				<b>x</b>

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	quadrant of the coordinate plane and interpret coordinate values of points in the context of the situation.				
<b>Geometry</b>	<b>KY.5.G.3</b> Understand that attributes belonging to a category of two dimensional figures also belong to all subcategories of that category. <b>MP.3, MP.6</b>				<b>x</b>
<b>Geometry</b>	<b>KY.5.G.4</b> Classify two-dimensional figures in a hierarchy based on properties. <b>MP.1, MP.7</b>				<b>x</b>

**Quarter 1:** 8-10-20 thru 10-14-20

**Quarter 2:** 10-15-20 thru 12-18-20

**Quarter 3:** 1-4-21 thru 3-9-21

**Quarter 4:** 3-10-21 thru 5-20-21