

**Math Unit Overview**  
**Grade 5**



Unit	Priority Skills Knowledge	Priority Mathematical Practices
<b>Unit 1</b> <b>Area &amp; Volume</b>	<ul style="list-style-type: none"> <li>● Expression and grouping symbols</li> <li>● Areas of rectangles with fractional side lengths</li> <li>● Volume concepts, formulas, and application</li> </ul>	<ul style="list-style-type: none"> <li>● Construct viable arguments and critique the reasoning of others</li> <li>● Model with mathematics</li> </ul>
<b>Unit 2</b> <b>Whole Number Place Value &amp; Operations</b>	<ul style="list-style-type: none"> <li>● Place-value patterns</li> <li>● Powers of 10 and exponential notation</li> <li>● U.S. traditional multiplication</li> <li>● Division with multi-digit numbers</li> </ul>	<ul style="list-style-type: none"> <li>● Make sense of problems and persevere in solving them</li> <li>● Attend to precision</li> </ul>
<b>Unit 3</b> <b>Fraction Concepts, Addition &amp; Subtraction</b>	<ul style="list-style-type: none"> <li>● Connecting fractions and division</li> <li>● Estimation and fraction number sense</li> <li>● Addition and subtraction with fractions and mixed numbers</li> </ul>	<ul style="list-style-type: none"> <li>● Use appropriate tools strategically</li> <li>● Look for and express regularity in repeated reasoning</li> </ul>
<b>Unit 4</b> <b>Decimal Concepts &amp; Coordinate Grids</b>	<ul style="list-style-type: none"> <li>● Extending place-value concepts to decimals</li> <li>● Decimals: comparing, ordering, and rounding</li> <li>● Addition and subtraction with decimals</li> <li>● Coordinate grids</li> </ul>	<ul style="list-style-type: none"> <li>● Reason abstractly and quantitatively</li> <li>● Look for and make use of structure</li> </ul>
<b>Unit 5</b> <b>Operations with Fractions</b>	<ul style="list-style-type: none"> <li>● Addition and subtraction with fractions and mixed numbers</li> <li>● Multiplication of fractions</li> <li>● Introduction to fraction division</li> </ul>	<ul style="list-style-type: none"> <li>● Construct viable arguments and critique the reasoning of others</li> <li>● Model with mathematics</li> </ul>
<b>Unit 6</b> <b>Investigations in Measurement &amp; Decimal Multiplication &amp; Division</b>	<ul style="list-style-type: none"> <li>● Decimal multiplication and division by powers of 10</li> <li>● Decimal multiplication and division</li> <li>● Line plots to represent and interpret data</li> </ul>	<ul style="list-style-type: none"> <li>● Attend to precision</li> <li>● Look for and make use of structure</li> <li>●</li> </ul>

<b>Unit 7</b> <b>Multiplications of Mixed Numbers, Geometry &amp; Graphs</b>	<ul style="list-style-type: none"> <li>• Mixed-number multiplication</li> <li>• Common denominators to divide fractions</li> <li>• Classification of shapes in a hierarchy</li> </ul>	<ul style="list-style-type: none"> <li>• Reason abstractly and quantitatively</li> <li>• Look for and express regularity in repeated reasoning</li> </ul>
<b>Unit 8</b> <b>Applications of Measurements, Computation &amp; Graphing</b>	<ul style="list-style-type: none"> <li>• Applications of area and volume</li> <li>• Multiplication and division to solve real-world problems</li> <li>• Graphing and analyzing data</li> </ul>	<ul style="list-style-type: none"> <li>• Make sense of problems and persevere in solving them</li> <li>• Model with mathematics</li> </ul>