





# Cornwall-Lebanon School District Math Curriculum Overview- Grade 4

## Pennsylvania Standard Areas

Numbers and Operations in Base Ten
  Numbers and Operations: Fractions
  Algebraic Concepts
  Geometry
  Measurement & Data

length of time in weeks	Concepts & Competencies	Common Assessments	PA Core Standards
<b>Unit 1</b> <span style="display: inline-block; width: 15px; height: 15px; background-color: #444; border: 1px solid #000; margin-right: 5px;"></span> <span style="display: inline-block; width: 15px; height: 15px; background-color: #FFD700; border: 1px solid #000; margin-left: 5px;"></span> <div style="border: 1px solid red; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin-left: 10px;">4</div>	<p style="text-align: center;"><b><u>Place Value Concepts and Decimals</u></b></p> <p>Students will apply their understanding of place value concepts to multi-digit whole numbers. Students will be able to connect decimal notation to fractions and compare decimal values.</p>	<ul style="list-style-type: none"> <li>➤ Unit 1 Test 1: Place Value Concepts</li> <li>➤ Unit 1 Test 2: Decimals</li> <li>➤ Unit 1 Performance Assessment Task</li> </ul>	<p>CC.2.1.4.B.1</p> <p>CC.2.1.4.C.3</p>
<b>Unit 2</b> <span style="display: inline-block; width: 15px; height: 15px; background-color: #444; border: 1px solid #000; margin-right: 5px;"></span> <span style="display: inline-block; width: 15px; height: 15px; background-color: #333; border: 1px solid #000; margin-left: 5px;"></span> <span style="display: inline-block; width: 15px; height: 15px; background-color: #FF8C00; border: 1px solid #000; margin-left: 5px;"></span> <div style="border: 1px solid red; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin-left: 10px;">3</div>	<p style="text-align: center;"><b><u>Adding and Subtracting Multi-Digit Numbers</u></b></p> <p>Students will use their understanding of place value and properties of operations (addition and subtraction) to perform multi-digit arithmetic. Students will represent and solve problems involving these two operations. Students will generate and analyze patterns involving addition and subtraction.  <i>Note: working with sums and differences of money is a measurement concept</i></p>	<ul style="list-style-type: none"> <li>➤ Unit 2 Test 1: Addition, Subtraction, Money, and Estimation</li> <li>➤ Unit 2 Test 2: Addition and Subtraction Patterns, Expressions, and Equations</li> <li>➤ Unit 2 Performance Assessment Task</li> </ul>	<p>CC.2.1.4.B.2</p> <p>CC.2.2.4.A.1</p> <p>CC.2.2.4.A.4</p> <p>CC.2.4.4.A.1</p>
<b>Unit 3</b> <span style="display: inline-block; width: 15px; height: 15px; background-color: #333; border: 1px solid #000; margin-right: 5px;"></span> <div style="border: 1px solid red; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin-left: 10px;">3</div>	<p style="text-align: center;"><b><u>Multiplication and Division Concepts</u></b></p> <p>Students will represent and solve problems involving multiplication and division. Students will be able to find factors and multiples of a given number. Students will generate and analyze patterns involving multiplication and division.</p>	<ul style="list-style-type: none"> <li>➤ Unit 3 Test 1: Factoring and Multiples</li> <li>➤ Unit 3 Test 2: Multiplication and Division Concepts</li> <li>➤ Unit 3 Test 3: Function Tables and Patterns with Multiplication and Division</li> <li>➤ Unit 3 Performance Assessment Task</li> </ul>	<p>CC.2.2.4.A.1</p> <p>CC.2.2.4.A.2</p> <p>CC.2.2.4.A.4</p>
<b>Unit 4</b> <span style="display: inline-block; width: 15px; height: 15px; background-color: #FFD700; border: 1px solid #000; margin-right: 5px;"></span> <div style="border: 1px solid red; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin-left: 10px;">4</div>	<p style="text-align: center;"><b><u>Fraction Concepts</u></b></p> <p>Students will extend their understanding of fractions to show equivalence and ordering. Students will be able to build fractions from unit fractions by applying previous understandings of operations of whole numbers. Students will connect decimal notation to fractions and compare decimal fractions.</p>	<ul style="list-style-type: none"> <li>➤ Unit 4 Test 1: Comparing and Ordering Fractions</li> <li>➤ Unit 4 Test 2: Adding and Subtracting Fractions and Mixed Numbers</li> <li>➤ Unit 4 Test 3: Multiplying Fractions</li> <li>➤ Unit 4 Performance Assessment Task</li> </ul>	<p>CC.2.1.4.C.1</p> <p>CC.2.1.4.C.2</p> <p>CC.2.1.4.C.3</p>
<b>Unit 5</b> <span style="display: inline-block; width: 15px; height: 15px; background-color: #90EE90; border: 1px solid #000; margin-right: 5px;"></span> <span style="display: inline-block; width: 15px; height: 15px; background-color: #FF8C00; border: 1px solid #000; margin-left: 5px;"></span> <div style="border: 1px solid red; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin-left: 10px;">3</div>	<p style="text-align: center;"><b><u>Geometry</u></b></p> <p>Students will draw lines and angles and identify these in two-dimensional figures. Students will be able to classify two-dimensional figures by these properties. Students will recognize symmetry in figures and draw lines of symmetry. Students will be able to measure angles and use properties of adjacent angles to solve problems.</p>	<ul style="list-style-type: none"> <li>➤ Unit 5 Test 1: Geometry Concepts</li> <li>➤ Unit 5 Test 2: Measuring and Properties of Angles</li> <li>➤ Unit 5 Performance Assessment Task</li> </ul>	<p>CC.2.3.4.A.1</p> <p>CC.2.3.4.A.2</p> <p>CC.2.3.4.A.3</p> <p>CC.2.4.4.A.6</p>

<b>Unit 6</b> 	<p style="text-align: center;"><b>Measurement and Conversions</b></p> <p>Students will solve problems involving measurement and conversions from a larger unit to a smaller unit. Students will apply perimeter and area formulas to solve problems.</p>	<ul style="list-style-type: none"> <li>➤ Unit 6 Test 1: Measurement and Conversions</li> <li>➤ Unit 6 Performance Assessment Task</li> </ul>	CC.2.4.4.A.1
<b>Unit 7</b> 	<p style="text-align: center;"><b>Data</b></p> <p>Students will be able to translate information from one type of data display to another. Students will be able to represent and interpret data involving fractions using information provided in a line plot.</p>	<ul style="list-style-type: none"> <li>➤ Unit 7 Test 1: Graphing and Data</li> <li>➤ Unit 7 Performance Assessment Task</li> </ul>	CC.2.4.4.A.2 CC.2.4.4.A.4
<b>Unit 8</b> 	<p style="text-align: center;"><b>Multiplying Whole Numbers</b></p> <p>Students will be able to multiply a whole number up to four digits by a one-digit whole number and multiply two-digit whole numbers.</p>	<ul style="list-style-type: none"> <li>➤ Unit 8 Test 1: Multiplying Whole Numbers</li> <li>➤ Unit 8 Performance Assessment Task</li> </ul>	CC.2.1.4.B.2 CC.2.2.4.A.1
<b>Unit 9</b> 	<p style="text-align: center;"><b>Dividing Whole Numbers</b></p> <p>Students will be able to divide up to four-digit dividends by single digit divisors with and without remainders.</p>	<ul style="list-style-type: none"> <li>➤ Unit 9 Test 1: Dividing Whole Numbers</li> <li>➤ Unit 9 Performance Assessment Task</li> </ul>	CC.2.1.4.B.2 CC.2.2.4.A.1

