




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
Unit 1 <div style="border: 1px solid red; border-radius: 50%; width: 25px; height: 25px; display: flex; align-items: center; justify-content: center; margin-left: 10px;">3</div>	<p style="text-align: center;"><u>Place Value Concepts and Decimals</u></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"> ➤ Unit 1 Test 1: Place Value Concepts ➤ Unit 1 Test 2: Decimals ➤ Unit 1 Open-Ended Response 	<p>CC.2.1.4.B.1</p> <p>CC.2.1.4.C.3</p>
Unit 2 <div style="border: 1px solid red; border-radius: 50%; width: 25px; height: 25px; display: flex; align-items: center; justify-content: center; margin-left: 10px;">3</div>	<p style="text-align: center;"><u>Adding and Subtracting Multi-Digit Numbers</u></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.</p> <p><i>Note: working with sums and differences of money is a measurement concept</i></p>	<ul style="list-style-type: none"> ➤ Unit 2 Test 1: Addition, Subtraction, Money, and Estimation ➤ Unit 2 Test 2: Addition and Subtraction Patterns, Expressions, and Equations ➤ Unit 2 Open-Ended Response 	<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>
Unit 3 <div style="border: 1px solid red; border-radius: 50%; width: 25px; height: 25px; display: flex; align-items: center; justify-content: center; margin-left: 10px;">7</div>	<p style="text-align: center;"><u>Multiplication and Division Concepts</u></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. 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. 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"> ➤ Unit 3 Test 1: Factoring and Multiples ➤ Unit 3 Test 2: Multiplication and Division Concepts ➤ Unit 3 Test 3: Function Tables and Patterns with Multiplication and Division ➤ Unit 3 Test 4: Multiplying Whole Numbers ➤ Unit 3 Test 5: Dividing Whole Numbers ➤ Unit 3 Open-Ended Response 	<p>CC.2.2.4.A.1</p> <p>CC.2.2.4.A.2</p> <p>CC.2.2.4.A.4</p> <p>CC.2.1.4.B.2</p>
Unit 4 <div style="border: 1px solid red; border-radius: 50%; width: 25px; height: 25px; display: flex; align-items: center; justify-content: center; margin-left: 10px;">4</div>	<p style="text-align: center;"><u>Fraction Concepts</u></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"> ➤ Unit 4 Test 1: Comparing and Ordering Fractions ➤ Unit 4 Test 2: Adding and Subtracting Fractions and Mixed Numbers ➤ Unit 4 Test 3: Multiplying Fractions ➤ Unit 4 Open-Ended Response 	<p>CC.2.1.4.C.1</p> <p>CC.2.1.4.C.2</p> <p>CC.2.1.4.C.3</p>

Unit 5 	<div style="text-align: center;">Geometry and Angle Measurement</div> <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"> ➤ Unit 5 Test 1: Geometric Concepts ➤ Unit 5 Test 2: Measuring and Properties of Angles ➤ Unit 5 Open-Ended Response 	CC.2.3.4.A.1 CC.2.3.4.A.2 CC.2.3.4.A.3 CC.2.4.4.A.6
Unit 6 	<div style="text-align: center;">Standard and Metric Measurement and Conversions</div> <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"> ➤ Unit 6 Test 1: Measurement and Conversions ➤ Unit 6 Open-Ended Response 	CC.2.4.4.A.1
Unit 7 	<div style="text-align: center;">Data</div> <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"> ➤ Unit 7 Test 1: Graphing and Data ➤ Unit 7 Open-Ended Response 	CC.2.4.4.A.2 CC.2.4.4.A.4

