

# Cornwall-Lebanon School District Curriculum Overview

## Academic Math 7

length of time in weeks	Concepts & Competencies	Common Assessments	PA Core Standards
Unit 1 3	<u>Integers</u> Absolute value Compare, add, subtract, multiply, and divide integers	➤ Unit 1 Test	CC.2.1.7.E.1, M07.A-N.1.1.1, M07.A-N.1.1.2, M07.A-N.1.1.3
Unit 2 4	<u>Ratios and Proportions</u> Write and solve problems using ratios and proportions including scale drawings and other real world applications	➤ Unit 2 Test	CC.2.1.7.D.1, CC.2.3.7.A.2, M07.A-R.1.1.1, M07.A-R.1.1.2, M07.A-R.1.1.4, M07.C-G.1.1.1
Unit 3 3	<u>Basic Equations</u> Write and solve 1-step, 2- step equations including real world applications	➤ Unit 3 Test	CC.2.2.7.B.1, CC.2.2.7.B.3, M07.B-E.1.1.1, M07.B-E.2.1.1, M07.B-E.2.2.1, M07.B-E.2.3.1
Unit 4 3	<u>Constant of Proportionality (Direct Variation)</u> Calculate and interpret the constant of proportionality from a table, equation, and/or graph	➤ Unit 4 Test	CC.2.1.7.D.1 M07.A-R.1.1.2, M07.A-R.1.1.3 M07.A-R.1.1.4, M07.A-R.1.1.5
Unit 5 4	<u>Advanced Equations</u> Collecting like terms Expanding and factoring expressions Solving Real-World Percent Problems Write and solve multi-step equations	➤ Unit 5 Test	CC.2.2.7.B.1, CC.2.2.7.B.3, M07.A-R.1.1.6 M07.B-E.1.1.1, M07.B-E.2.1.1, M07.B-E.2.2.1, M07.B-E.2.3.1
Unit 6 4	<u>Triangle &amp; Angle Relationship</u> Apply and use properties of triangles Identify and use angle relationships Write and solve equations using the properties of triangles and angle relationships to find missing angles	➤ Unit 6 Test	CC.2.3.7.A.1, CC.2.3.7.A.2, M07.C-G.1.1.2, M07.C-G.1.1.3, M07.C-G.2.1.1, M07.C-G.2.1.2

<p>Unit 7</p> <div style="border: 1px solid red; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin: 5px auto;">3</div>	<p style="text-align: center;"><u>Statistics and Probability</u></p> <p>Simple and Compound Events  Experimental and Theoretical Probability  Random and Biased Samples  Absolute and Standard Deviation</p>	<p>➤ Unit 7 Test</p>	<p>CC.2.4.7.B.1, CC.2.4.7.B.2,  CC.2.4.7.B.3  M07.D-S.1.1.1, M07.D-S.2.1.1  M07.D-S.3.1.1, M07.D-S.3.2.1  M07.D-S.3.2.2, M07.D-S.3.2.3</p>
<p>Unit 8</p> <div style="border: 1px solid red; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin: 5px auto;">3</div>	<p style="text-align: center;"><u>2-D Geometry</u></p> <p>Calculate perimeter and area of parallelograms, triangles, trapezoids, and composite figures  Calculate circumference and area of circles</p>	<p>➤ Unit 8 Test</p>	<p>CC.2.3.7.A.1, M07.C-G.2.2.1,  M07.C-G.2.2.2</p>
<p>Unit 9</p> <div style="border: 1px solid red; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin: 5px auto;">2</div>	<p style="text-align: center;"><u>Inequalities</u></p> <p>Solving and Graphing Inequalities  Writing Inequalities from Word Problems</p>	<p>➤ Unit 9 Test</p>	<p>CC.2.2.7.B.1, CC.2.2.7.B.3  CC.2.2.7.B.3  M07.B-E.2.1.1, M07.B-E.2.2.2  M07.B-E.2.3.1</p>
<p>Unit 10</p> <div style="border: 1px solid red; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin: 5px auto;">3</div>	<p style="text-align: center;"><u>3-D Geometry</u></p> <p>Volume and Surface Area of Rectangular and Triangular Prisms  Cross-Sections of Pyramids, Prisms, Cones, and Cylinders</p>	<p>➤ Unit 10 Test</p>	<p>CC.2.3.7.A.1, CC.2.3.7.A.2  M07.C-G.1.1.4, M07.C-G.2.2.2</p>