

Cornwall-Lebanon School District Curriculum Overview

Honors Math 7

 length of time in weeks	Concepts & Competencies	Common Assessments	PA Core Standards
Unit 1  2	<u>Integers</u> Absolute value Compare, add, subtract, multiply, and divide integers	➤ Unit 1 Test ➤ MP1 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  3	<u>Rational Number Operations</u> Compare, add, subtract, multiply, and divide fractions, mixed numbers, and decimals	➤ Unit 2 Test ➤ MP1 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 3  3	<u>Real Numbers</u> Convert fraction – decimal – percent Estimate and evaluate square and cube roots without a calculator Locate, order, and compare real numbers on a number line	➤ Unit 3 Test ➤ MP1 Test	CC.2.1.7.E.1, CC.2.1.8.E.1, CC.2.2.8.B.1, M08.A-N.1.1.1, M08.A-N.1.1.2, M08.A-N.1.1.3, M08.A-N.1.1.4, M08.A-N.1.1.5, M08.B-E.1.1.2
Unit 4  3	<u>Exponents</u> Simplify expressions with negative exponents Multiply and divide monomials Express large and small numbers in scientific notation and perform operations with scientific notation	➤ Unit 4 Test ➤ MP2 Test	CC.2.2.8.B.1, M08.B-E.1.1.1, M08.B-E.1.1.3, M08.B-E.1.1.4
Unit 5  5	<u>Expressions and Equations</u> Write and solve 1-step, 2- step, and multi-step equations	➤ Unit 5 Test ➤ MP2 Test	CC.2.2.7.B.3, CC.2.2.8.B.3, M08.B-E.3.1.2, M07.B-E.2.2
Unit 6  3	<u>Pythagorean Theorem</u> Write and solve problems using the Pythagorean Theorem including real world applications	➤ Unit 6 Test ➤ MP3 Test	CC.2.3.8.A.3, M08.C-G.2.1.1, M08.C-G.2.1.2, M08.C-G.2.1.3
Unit 7  2	<u>Volume</u> Compute the volume of cylinders, prisms, cones, pyramids, and spheres.	➤ Unit 7 Test ➤ MP3 Test	CC.2.3.7.A.1, CC.2.3.8.A.1, M08.C-G.3.1.1, M07.C-G.2.2
Unit 8  3	<u>Dilations</u> Use properties of congruent figures to solve problems Transform plane figures using reflections, translations, rotations, and dilations Use similar figures to find missing dimensions	➤ Unit 8 Test ➤ MP3 Test	CC.2.3.8.A.2, M08.C-G.1.1.1, M08.C-G.1.1.2, M08.C-G.1.1.3 M08.C-G.1.1.4

Unit 9	3	<u>Linear Equations</u> Calculate and interpret slope Write and interpret equations of a line in slope-intercept and standard forms	➤ Unit 9 Test ➤ MP4 Test	CC.2.2.8.B.2, CC.2.2.8.B.3, CC.2.2.8.C.1, M08.B-E.2.1.1, M08.B-E.2.1.2, M08.B-E.2.1.3, M08.B-E.3.1.1, M08.B-F.1.1.3
Unit 10	3	<u>Statistics</u> Construct and interpret scatterplots Write the equation of the line of best fit and determine its real world meaning Analyze two-way tables and describe possible associations between two variables	➤ Unit 10 Test ➤ MP4 Test	CC.2.4.8.B.1, M08.D-S.1.1.1, M08.D-S.1.1.2, M08.D-S.1.1.3