




Cornwall-Lebanon School District Math Curriculum Overview

Academic Math – 6th Grade

Pennsylvania Standard Areas

■ The Number System
 ■ Expressions and Equations
 ■ Statistics and Probability
 ■ Geometry
 ■ Ratios and Proportional Relationships

26 length of time in weeks	Concepts & Competencies	Common Assessments	PA Core Standards
Unit 1 ■	4 <u>Number Concepts</u> Students will extend their knowledge of the number system to include rational numbers, properties, and order of operations including powers.	<ul style="list-style-type: none"> ➤ Unit 1 Test: Number Concepts ➤ Unit 1 Open-Ended Response ➤ Quarterly 1 Assessment ➤ Quarterly 4 Cumulative Assessment 	CC.2.1.6.E.4 CC.2.1.6.E.2 CC.2.2.6.B.1
Unit 2 ■	3 <u>Number Theory</u> Students will apply their understanding of factors of multiples. Students will extend their knowledge of equivalent forms of fractions and decimals.	<ul style="list-style-type: none"> ➤ Unit 2 Test: Number Theory ➤ Unit 2 Open-Ended Response ➤ Quarterly 1 Assessment ➤ Quarterly 4 Cumulative Assessment 	CC.2.2.3.A.2 CC.2.1.6.E.3 CC.2.1.4.C.1
Unit 3 ■	4 <u>Algebra</u> Students will apply and extend previous understanding of arithmetic to algebraic expressions, equations, and inequalities.	<ul style="list-style-type: none"> ➤ Unit 3 Test: Algebra ➤ Unit 3 Open-Ended Response ➤ Quarterly 2 Assessment ➤ Quarterly 4 Cumulative Assessment 	CC.2.2.6.B.1 CC.2.2.6.B.2 CC.2.2.6.B.3 CC.2.1.6.D.1
Unit 4 ■	3 <u>Decimal Operations</u> Students will perform decimal operations with an emphasis on multiplication and division.	<ul style="list-style-type: none"> ➤ Unit 4 Test: Decimal Operations ➤ Unit 4 Open-Ended Response ➤ Quarterly 2 Assessment ➤ Quarterly 4 Cumulative Assessment 	CC.2.1.5.B.1 CC.2.1.6.E.2 CC.2.2.6.B.2
Unit 5 ■	3 <u>Fraction Operations</u> Students will perform fraction operations with an emphasis on multiplication and division.	<ul style="list-style-type: none"> ➤ Unit 5 Test: Fraction Operations ➤ Unit 5 Open-Ended Response ➤ Quarterly 2 Assessment ➤ Quarterly 4 Cumulative Assessment 	CC.2.1.4.C.1 CC.2.1.4.C.3 CC.2.1.5.C.2 CC.2.1.6.E.1 CC.2.2.6.B.2

Unit 6 	<div style="text-align: center;"><u>Statistics</u></div> <p>Students will analyze and compare measures of center, describe distributions, and understand variability.</p>	<ul style="list-style-type: none"> ➤ Unit 6 Test: Statistics ➤ Unit 6 Open-Ended Response ➤ Quarterly 3 Assessment ➤ Quarterly 4 Cumulative Assessment 	CC.2.4.6.B.1
Unit 7 	<div style="text-align: center;"><u>Ratios and Proportions</u></div> <p>Students will be able to understand ratio concepts using ratio reasoning and solve proportional relationships.</p>	<ul style="list-style-type: none"> ➤ Unit 7 Test: Ratios and Proportions ➤ Unit 7 Open-Ended Response ➤ Quarterly 3 Assessment ➤ Quarterly 4 Cumulative Assessment 	CC.2.1.6.D.1 CC.2.1.7.D.1 CC.2.1.6.E.4
Unit 8 	<div style="text-align: center;"><u>Geometry</u></div> <p>Students will be able to solve problems involving area, surface area, and volume.</p>	<ul style="list-style-type: none"> ➤ Unit 8 Test: Geometry ➤ Unit 8 Open-Ended Response ➤ Quarterly 2 Assessment ➤ Quarterly 4 Cumulative Assessment 	CC.2.3.6.A.1

