



Grade 5 Scope and Sequence

Bluebonnet Learning K–5 Math Instructional Materials: Grade 5 Scope and Sequence			
Module	Topics and Instructional Days	Knowledge and Skills	Standards (Bold = focus standard)
Module 1: Place Value and Decimals	A: Multiplicative Patterns on the Place Value Chart B: Decimals and Place Value Patterns C: Place Value and Rounding Decimals D: Adding and Subtracting Decimals Mid-Module Assessment Task E: Multiplying Decimals F: Dividing Decimals End-of-Module Assessment Task Assessments: 2 Lessons days: 15 Assessment days: 4 Total instructional days: 19	Students develop place value understanding of decimals to the thousandths place and apply that understanding to round, compare, and order decimals and perform decimal operations. Students will: - Develop knowledge of the thousandths place by using the <i>divide by ten</i> pattern on the place value chart. - Convert metric units from the base unit meters, grams and liters through millimeters, milligrams and milliliters. - Read decimals to the thousandths place and represent them in standard form, unit form, word form, and expanded notation. - Compare decimals using greater than (>), less than (<), and equal to (=) and order decimals from greatest to least and least to greatest. - Round decimals through the thousandths place using the vertical number line. - Add, subtract, multiply and divide decimals.	<u>TEKS MPS</u> 5.1A 5.1B 5.1E 5.1F 5.1G <u>TEKS</u> 5.2A 5.2B 5.2C 5.3A 5.3D 5.3E 5.3F 5.3G 5.3K 5.7A <u>ELPS</u> 1.A 1.B 1.E 1.F 2.C 2.D 2.E 3.C 3.D 3.E 3.F 3.H 4.D 4.G 5.F 5.G

Grade 5 Scope and Sequence (Continued)

Module	Topics and Instructional Days	Knowledge and Skills	Standards (Bold = focus standard)
Module 2: Multi-Digit Whole Number and Decimal Operations	A: Prime and Composite Numbers B: Mental Strategies for Multi-Digit Whole Number Multiplication C: The Standard Algorithm for Multi-Digit Whole Number Multiplication D: Decimal Multi-Digit Multiplication E: Measurement Word Problems with Whole Number and Decimal Multiplication Mid-Module Assessment Task F: Mental Strategies for Multi-Digit Whole Number Division G: Partial Quotients and Multi-Digit Whole Number Division H: Partial Quotients and Multi-Digit Decimal Division I: Measurement Word Problems with Multi-Digit Division End-of-Module Assessment Task Assessments: 2 Lessons days: 33 Assessment days: 4 Total instructional days: 37	Students apply the patterns of the base-ten system to mental strategies and evaluate using the multiplication and division algorithms. Students will: - Identify factors that make up a number less than 100, and identify multiples, prime numbers, and composite numbers. - Estimate multi-digit whole number and decimal products by rounding the factors to decide whether the product is reasonable. - Multiply multi-digit whole numbers and decimal numbers using place value understanding, a visual model, and the standard algorithm. - Divide whole numbers with up to four-digit dividends and two-digit divisors and interpret the remainders. - Divide decimal numbers with up to four-digit dividends and two-digit divisors and reason about the placement of the decimal point. - Use a strip diagram to represent a division word problem with an unknown group size or an unknown number of groups.	<u>TEKS MPS</u> 5.1A 5.1B 5.1D 5.1F <u>TEKS</u> 5.3A 5.3B 5.3C 5.3D 5.3E 5.3F 5.3G 5.4A 5.4B 5.4E 5.4F 5.7A 5.2A <u>ELPS</u> 1.A 1.E 2.C 2.E 3.C 3.D 3.E 3.F 3.G 3.H 4.G 5.G





Module	Topics and Instructional Days	Knowledge and Skills	Standards (Bold = focus standard)
Module 3: Addition and Subtraction of Fractions	A: Making Like Units Pictorially Mid-Module Assessment Task B: Making Like Units Numerically C: Further Applications End-of-Module Assessment Task Assessments: 2 Lessons days: 14 Assessment days: 4 Total instructional days: 18	Students extend earlier work with fraction equivalence and decimals to develop student understanding of addition and subtraction of fractions. Students will: • Add and subtract fractions with unlike denominators by making like units through a progression of material from concrete to representational to abstract. • Use benchmark fractions to assess reasonableness of addition and subtraction equations. • Solve multi-step word problems and assess the reasonableness of the answers.	<u>TEKS MPS</u> 5.1A 5.1B 5.1C 5.1G <u>TEKS</u> 5.3A 5.3H 5.3K <u>ELPS</u> 1.C 1.E 1.H 2.E 2.I 3.C 3.E 3.F 3.G 3.H 4.A 4.B 4.C 4.G 4.H 4.K 5.G

Grade 5 Scope and Sequence (*Continued*)

Module	Topics and Instructional Days	Knowledge and Skills	Standards (Bold = focus standard)
Module 4: Multiplication and Division of Fractions	A: Repeated Addition of Fractions as Multiplication B: Multiplication of a Whole Number by a Fraction C: Fraction Expressions and Word Problems Mid-Module Assessment Task D: Division of Fractions E: Applying Fraction and Decimal Multiplication to Personal Financial Literacy F: Interpretation of Numerical Expressions End-of-Module Assessment Task Assessments: 2 Lessons days: 26 Assessment days: 4 Total instructional days: 30	Students understand how to multiply whole numbers by fractions and how to begin dividing fractions. These operations are applied to create and solve word problems and interpret and evaluate numerical expressions. Multiplication involving a fraction is used when interpreting dot plots, converting measurements, and understanding personal financial literacy. Students will: • Multiply a whole number by a fraction or by a mixed number using strip diagrams, the associative property, and the distributive property. • Solve and create fraction word problems involving addition, subtraction, and multiplication. • Convert mixed unit measurements for customary and metric units. • Divide a whole number by a unit fraction and a unit fraction by a whole number. • Apply fraction and decimal multiplication to personal financial literacy to understand a simple budget, gross income, net income, income tax, payroll tax, sales tax, and property tax. • Interpret, compare, and evaluate numerical expressions.	<u>TEKS MPS</u> 5.1C 5.1D 5.1F <u>TEKS</u> 5.3I 5.3J 5.3K 5.3L 5.4E 5.4F 5.7A 5.9A 5.9C 5.10A 5.10B 5.10C 5.10D 5.10E 5.10F 5.3A 5.3E <u>ELPS</u> 1.C 1.E 1.H 2.B 2.C 2.E 2.G 2.I 3.B 3.C 3.D 3.E 3.G 3.H 4.B 4.E 4.F 4.G 4.J 4.K 5.C 5.G





Module	Topics and Instructional Days	Knowledge and Skills	Standards (Bold = focus standard)
Module 5: Addition and Multiplication with Volume and Area	A: Concepts of Volume B: Volume and the Operations of Multiplication and Addition Mid-Module Assessment Task C: Area of Rectangular Figures with Fractional Side Lengths D: Drawing, Analysis, and Classification of Two-Dimensional Shapes End-of-Module Assessment Task Assessments: 2 Lessons days: 19 Assessment days: 4 Total instructional days: 23	Students explore various two- and three-dimensional figures while understanding concepts of volume and area. Students will: - Find the volume of a solid by building and counting unit cubes, packing with unit cubes, and composing and decomposing rectangular prisms using layers. - Find the volume of rectangular prisms using the following volume formulas. $V = l \times w \times h$ $V = Bh$ - Find the total volume of solid figures composed of two non-overlapping rectangular prisms. - Find the area of rectangles with whole-by-mixed and whole-by-fractional number side lengths by tiling, drawing, relating to the distributive property, and using the area model. - Classify triangles by side lengths (equilateral, isosceles, scalene) and by angle measurements (acute, right, obtuse). - Draw and classify quadrilaterals such as trapezoid, parallelogram, rhombus, rectangle, and square. - Classify two-dimensional figures in a hierarchy based on their properties.	<u>TEKS MPS</u> 5.1A 5.1B 5.1D 5.1E 5.1F 5.1G <u>TEKS</u> 5.3I 5.4G 5.4H 5.5A 5.6A 5.6B <u>ELPS</u> 1.C 1.E 1.F 1.H 2.C 2.D 2.H 2.I 3.C 3.D 3.E 3.F 3.G 3.H 3.J 4.B 4.G 4.I 5.A 5.E 5.G

Grade 5 Scope and Sequence (*Continued*)

Module	Topics and Instructional Days	Knowledge and Skills	Standards (Bold = focus standard)
Module 6: Problem Solving with the Coordinate Plane and Data	A: Coordinate Systems B: Patterns in the Coordinate Plane and Graphing Number Patterns from Rules Mid-Module Assessment Task C: Data Representation and Analysis End-of-Module Assessment Task D: Multi-Step Word Problems E: The Year in Review: A Reflection Assessments: 2 Lessons days: 34 Assessment days: 4 Total instructional days: 38	Students develop a coordinate system for the first quadrant of the coordinate plane and use it to solve problems. This learning extended to collect, organize, display, and interpret data. Students will: - Construct a coordinate system in the first quadrant of the coordinate plane, name points using coordinate pairs, and use the coordinate pairs to plot points. - Use points to draw lines in the coordinate plane and describe patterns within the coordinate pairs. - Generate number patterns from a given addition rule and a multiplication rule and compare the lines generated by each. - Collect and represent data using dot plots, stem-and-leaf plots, scatterplots, bar graphs, and double bar graphs. - Solve multi-step problems to apply concepts and skills mastered throughout Grade 5.	<u>TEKS MPS</u> 5.1A 5.1B 5.1C 5.1D 5.1E 5.1F 5.1G <u>TEKS</u> 5.3D 5.3E 5.3F 5.3G 5.3I 5.3K 5.3L 5.4C 5.4D 5.4H 5.8A 5.8B 5.8C 5.9A 5.9B 5.9C 5.2B 5.3H 5.3J





Module	Topics and Instructional Days	Knowledge and Skills	Standards (Bold = focus standard)
			5.4E 5.4F 5.4G 5.5A 5.7A <u>ELPS</u> 1.A 1.C 1.D 1.E 1.G 1.H 2.A 2.C 2.E 2.F 2.I 3.A 3.C 3.E 3.F 3.G 3.H 3.I 3.J 4.I 5.B 5.G
	Total instructional days: 165		