

Grade 3 Year-at-a-Glance

Module 1	Module 2	Module 3	Module 4	Module 5	Module 6	Module 7
Properties of Multiplication and Division and Solving Problems with Units of 2–5 and 10	Place Value and Problem Solving with Units of Measure	Multiplication and Division with Units of 0, 1, 6–9, and Multiples of 10	Multiplication and Area	Fractions as Numbers on the Number Line	Financial Literacy and Data	Geometry and Measurement Word Problems
22 days	31 days	26 days	10 days	36 days	17 days	23 days
3.4D	3.2A	3.2B	3.4F	3.3A	3.4C	3.4K
3.4E	3.2B	3.4D	3.6C	3.3B	3.5E	3.5A
3.4F	3.2C	3.4E	3.6D	3.3C	3.8A	3.5B
3.4H	3.2D	3.4F		3.3D	3.8B	3.6A
3.4J	3.4A	3.4G		3.3E	3.9A	3.6B
3.4K	3.4B	3.4H		3.3F	3.9B	3.6C
3.5A	3.5A	3.4I		3.3G	3.9C	3.7B
3.5B	3.7C	3.4K		3.3H	3.9D	3.8A
3.5D	3.7D	3.5A		3.6E	3.9E	
	3.7E	3.5B		3.7A	3.9F	
		3.5C				
		3.5D				
		3.5E				

Boldface = Focus Standard





Grade 3 Scope and Sequence

Bluebonnet Learning K–5 Math Instructional Materials: Grade 3 Scope and Sequence			
Module	Topics and Instructional Days	Knowledge and Skills	Standards (Bold = focus standard)
Module 1: Properties of Multiplication and Division and Solving Problems with Units of 2–5 and 10	A: Multiplication and the Meaning of the Factors B: Division as an Unknown Factor Problem C: Multiplication Using Units of 2 and 3	Students conceptual understanding of multiplication and division with units of 2–5 and 10, exploring the relationship between multiplication and division, and solving word problems. Students will: - Identify the number of groups and the size of each group in an array. - Write multiplication equations using an array. - Divide objects into equal groups or show how many objects are in a group. - Solve word problems with unknown factors and find the quotient. - Show understanding of the commutative property and the break apart and distribute strategy and solve word problems involving these two strategies. - Solve word problems involving the two different types of division problems (determine the size of the group or determine the number of groups). - Solve multiplication and division problems that use units of 2–5 and 10. - Break apart arrays and number bonds into smaller multiplication and division problems using the break apart and distribute strategy. - Solve two-step word problems using addition, subtraction, multiplication, and/or division.	TEKS MPS 3.1A 3.1B 3.1D 3.1F 3.1G TEKS 3.4D 3.4E 3.4F 3.4H 3.4J 3.4K 3.5A 3.5B 3.5D ELPS 1.A 1.E 1.F 2.C 2.E 2.I 3.B 3.C 3.D 3.E
	Mid-Module Assessment Task D: Division Using Units of 2 and 3 E: Multiplication and Division Using Units of 4 F: Distributive Property and Problem Solving Using Units of 2–5 and 10 End-of-Module Assessment Task Assessments: 2 Lessons days: 19 Assessment days: 3 Total instructional days: 22		

Grade 3 Scope and Sequence (Continued)

Module	Topics and Instructional Days	Knowledge and Skills	Standards (Bold = focus standard)
			3.F 3.G 3.H 4.D 4.G 5.B
Module 2: Place Value and Problem Solving with Units of Measure	A: Time Measurement and Problem Solving B: Measuring Weight and Liquid Volume C: Place Value and Comparing Multi-Digit Whole Numbers Mid-Module Assessment Task D: Rounding to the Nearest Ten, Hundred, Thousand, and Ten Thousand E: Two- and Three-Digit Measurement Addition Using the Standard Algorithm F: Two- and Three-Digit Measurement Subtraction Using the Standard Algorithm End-of-Module Assessment Task Assessments: 2 Lessons days: 28 Assessment days: 3 Total instructional days: 31	Students explore measurement of time, weight, and liquid volume, and extend place value understanding to numbers up to 100,000. Students will: - Solve word problems involving addition and subtraction of time intervals. - Measure weight by using pounds and ounces and measure liquid volume by using gallons, quarts, pints, cups, fluid ounces, liters, and milliliters. - Solve word problems involving weight, liquid volume, and capacity. - Represent numbers up to 100,000 on a place value chart. - Write numbers in unit form, standard form, expanded form, expanded notation, and word form. - Compare numbers using $<$, $>$, or $=$. - Order whole numbers using place value and number lines. - Round numbers to the nearest ten and hundred using a vertical number line. - Estimate sums and differences by rounding or by using compatible numbers. - Add and subtract two- and three-digit numbers using the standard algorithm. - Solve one- and two-step word problems involving addition and subtraction.	<u>TEKS MPS</u> 3.1D 3.1E 3.1F <u>TEKS</u> 3.2A 3.2B 3.2C 3.2D 3.4A 3.4B 3.5A 3.7C 3.7D 3.7E <u>ELPS</u> 1.A 1.D 1.E 2.C 2.E 2.I



Module	Topics and Instructional Days	Knowledge and Skills	Standards (Bold = focus standard)
			3.C 3.D 3.E 3.F 3.H 4.D 4.G 5.B
Module 3: Multiplication and Division with Units of 0, 1, 6–9, and Multiples of 10	A: Multiplication as Comparison B: The Properties of Multiplication and Division C: Multiplication and Division Using Units of 6 and 7 D: Multiplication and Division Using Units up to 8 Mid-Module Assessment Task E: Multiplication and Division Using Units of 9 F: Analysis of Patterns and Problem Solving Including Units of 0 and 1 G: Multiplication of Single-Digit Factors and Two-Digit Factors End-of-Module Assessment Task Assessments: 2 Lessons days: 23 Assessment days: 3 Total instructional days: 26	Students explore multiplication and division with units of 0, 1, 6–9, and multiples of 10, multiplying two-digit numbers by one-digit numbers, and solving word problems. Students will: • Explore multiplication as a comparison of one quantity to another and determine how many times greater one quantity is than another by using strip diagrams. • Use input–output tables to explore multiplication as a comparison. For example, if 2 items go into a box and 4 items come out, the number that comes out is 2 times as much as the number that goes in. • Find the value of the unknown in simple equations and in word problems. • Solve multiplication and division problems that use units of 0, 1, 6, 7, 8, and 9. • Use parentheses to group numbers to make an easier problem. • Use the Read–Draw–Write process to solve two-step word problems involving addition, subtraction, multiplication, and division. • Use place value disks and a place value chart to solve multiplication problems.	<u>TEKS MPS</u> 3.1D 3.1E 3.1F <u>TEKS</u> 3.2B 3.4D 3.4E 3.4F 3.4G 3.4I 3.4K 3.5A 3.5B 3.5C 3.5D 3.5E 3.4H <u>ELPS</u> 1.B 1.E



Grade 3 Scope and Sequence (Continued)

Module	Topics and Instructional Days	Knowledge and Skills	Standards (Bold = focus standard)
		- Multiply two-digit numbers by one-digit numbers by drawing models and by using the standard algorithm. - Solve word problems that require multiplying two-digit numbers by one-digit numbers.	1.F 2.C 2.D 2.E 2.I 3.D 3.E 3.F 3.G 3.H 4.C 4.F 4.G 5.G
Module 4: Multiplication and Area	A: Concepts of Area Measurement B: Arithmetic Properties and Applications of Area End-of-Module Assessment Task Assessments: 1 Lessons days: 8 Assessment days: 2 Total instructional days: 10	Students explore area as an attribute of two-dimensional figures and relating it to prior understandings of multiplication. Students will: - Label the side lengths of rectangles based on the number of square tiles shown. - Skip-count to find the unknown area and write multiplication sentences that describe an array. - Find the unknown side length when given the area and one side length of a rectangle. - Draw rows and columns to determine the area of a rectangle given an incomplete array. - Use multiplication to determine the area of a rectangle. - Break apart rectangles and reconnect the pieces to form new rectangles, showing that the areas are still the same.	<u>TEKS MPS</u> 3.1B 3.1C 3.1D 3.1E 3.1F 3.1G <u>TEKS</u> 3.6C 3.6D 3.4F <u>ELPS</u> 1.A



Module	Topics and Instructional Days	Knowledge and Skills	Standards (Bold = focus standard)
		Find the total area of combined rectangles when given the dimensions of some of the side lengths.	1.F 2.C 2.E 2.I 3.D 3.E 3.F 4.F 4.G 5.G
Module 5: Fractions as Numbers on the Number Line	A: Partitioning a Whole into Equal Parts B: Unit Fractions and Their Relation to the Whole C: Comparing Unit Fractions and Specifying the Whole Mid-Module Assessment Task D: Fractions on the Number Line E: Equivalent Fractions F: Comparison and Size of Fractions End-of-Module Assessment Task Assessments: 2 Lessons days: 33 Assessment days: 3 Total instructional days: 36	Students extend and deepen prior knowledge of fractions as equal partitions of a whole to fractions as numbers on a number line. Students will: - Partition a line or shape into equal parts and name the fractional units. - Represent unit fractions in multiple ways. - Write a fraction as a sum of unit fractions. - Shade and compare fractional amounts using models. - Locate and label fractions on a number line. - Use a number line to compare fractions by reasoning about the distance of the fraction from zero and from other fractions. - Use drawings and number lines to determine whether two fractional amounts are equivalent. - Complete given fractions to make equivalent fractions $\left(\text{e.g., } \frac{1}{2} = \frac{2}{4} \right).$ - Show equivalent fractions on a number line. - Draw a model to compare fractions in word problems.	<u>TEKS MPS</u> 3.1E 3.1F 3.1G <u>TEKS</u> 3.3A 3.3B 3.3C 3.3D 3.3E 3.3F 3.3G 3.3H 3.6E 3.7A <u>ELPS</u> 1.A 1.D 1.E



Grade 3 Scope and Sequence (Continued)

Module	Topics and Instructional Days	Knowledge and Skills	Standards (Bold = focus standard)
			2.C 2.D 2.E 2.F 2.I 3.C 3.D 3.E 3.G 3.H 3.J 4.D 4.F 4.G 5.F 5.G
Module 6: Financial Literacy and Data	A: Financial Literacy B: Generate and Analyze Categorical Data C: Represent Number Pairs in a Table End-of-Module Assessment Task Assessments: 1 Lessons days: 15 Assessment days: 2 Total instructional days: 17	Students explore financial literacy and build on previous knowledge of data and graphing. Students will: - Find the value of a collection of coins and bills. - Explore different professions and their salaries. - Use the words <i>supply</i> and <i>demand</i> to explain how these concepts affect price. - Solve real-world problems related to saving money for a purchase. - Use the words <i>borrow</i> and <i>interest</i> to solve real-world problems. - Create pictographs, scaled bar graphs, and dot plots by using given data sets and answer questions about the data.	<u>TEKS MPS</u> 3.1C 3.1E 3.1F <u>TEKS</u> 3.4C 3.5E 3.8A 3.8B 3.9A 3.9B 3.9C



Module	Topics and Instructional Days	Knowledge and Skills	Standards (Bold = focus standard)
		- Solve one- and two-step word problems by using data displayed in pictographs, bar graphs, and dot plots. - Analyze and create patterns and relationships between pairs of numbers in a table.	3.9D 3.9E 3.9F <u>ELPS</u> 1.A 1.F 2.C 2.E 2.I 3.D 3.E 3.F 3.J 4.E 5.G
Module 7: Geometry and Measurement Word Problems	A: Solving Word Problems B: Attributes of Two- and Three-Dimensional Figures C: Problem Solving with Perimeter Mid-Module Assessment Task D: Recording Perimeter and Area Data on Dot Plots E: Problem Solving with Perimeter and Area End-of-Module Assessment Task Assessments: 2 Lessons days: 20 Assessment days: 3 Total instructional days: 23	Students practice with word problems and investigate geometry and perimeter. Students will: - Solve a variety of one- and two-step word problems involving addition, subtraction, multiplication, and/or division by using the Read–Draw–Write (RDW) process. - Identify polygons based on their attributes. - Use a ruler and a right angle tool to draw figures with given attributes. - Classify and sort two- and three-dimensional figures according to their attributes (e.g., faces, edges, vertices). - Identify perimeter and distinguish it from the area of a shape. - Trace around shapes to conceptually understand perimeter.	<u>TEKS MPS</u> 3.1A 3.1B 3.1C 3.1E 3.1G <u>TEKS</u> 3.4K 3.5A 3.5B 3.6A 3.6B 3.7B 3.6C 3.8A



Grade 3 Scope and Sequence (*Continued*)

Module	Topics and Instructional Days	Knowledge and Skills	Standards (Bold = focus standard)
		• Measure and label side lengths to calculate the perimeter of given shapes. • Determine the perimeters of irregular shapes made up of several rectangles and of regular polygons that have unknown measurements. • Compare, analyze, and draw conclusions about the perimeters and areas of different rectangles. • Create and analyze dot plots. • Solve word problems involving area and perimeter. • Determine both the area and perimeter when given a model or a word problem.	<u>ELPS</u> 1.D 1.E 1.F 2.C 2.E 2.I 3.C 3.E 3.G 3.H 3.J 4.G 5.B 5.G
	Total instructional days: 165		

