Scope and Sequence

Unit	Objectives
Unit 1 Review Addition and Subtraction	• Round two-digit numbers to the nearest ten • Compare numbers and addition and subtraction expressions with the <, >, and = signs • Find missing numbers in addition and subtraction equations • Solve one- and two-step addition and subtraction word problems • Review adding and subtracting two-digit numbers with the addition and subtraction algorithms • Review bar graphs
Unit 2 Multiplication, Part 1	• Write multiplication equations with the × sign for equal groups and arrays • Understand that you can multiply numbers in any order • Find answers for the ×1, ×2, ×5, and ×10 facts • Understand that any number times zero equals zero • Solve simple multiplication word problems
Unit 3 Mental Math and Word Problems	• Find the value of groups of tens and mentally add tens • Add up to identify missing addends and make change • Review strategies for mentally adding and subtracting one- and two-digit numbers • Mentally find differences between close numbers by adding up • Solve two-step word problems
Unit 4 Multiplication, Part 2	• Find answers for the ×3 and ×4 facts • Mentally multiply two-digit numbers by 2 (for example, 2 × 36) • Use multiplication to interpret pictographs
Unit 5 Numbers to 1,000	• Round three-digit numbers to the nearest hundred • Mentally add up to find missing addends to 1,000 or the next hundred • Use place-value thinking to add and subtract groups of tens (for example, 670 + 40 or 510 – 30) • Use the addition and subtraction algorithms to add and subtract three-digit numbers • Use estimation to check whether answers are reasonable • Solve mental multiplication problems that involve groups of 10 (for example, 4 × 30 or 17 × 10)
Unit 6 Fractions	• Read and write fractions to match pictures and hands-on materials • Identify the numerator and denominator in fractions and understand what each number means • Add and subtract fractions with the same denominator • Use pictures and hands-on materials to find equivalent fractions, including fractions equal to 1/2 or 1 whole • Compare fractions by reasoning about the numerator and denominator or by comparing the fractions to 1/2 • Write mixed numbers to match pictures or hands-on materials

Unit 7 Money	• Round prices to the nearest dollar • Convert dollars to cents, and convert cents to dollars • Add up to make change with dollars and cents • Solve mental addition and subtraction problems with money • Use the addition and subtraction algorithms to add and subtract dollars and cents
Unit 8 Multiplication, Part 3	• Find answers for the ×6, ×7, ×8, and ×9 facts • Multiply and add to find the total of equal groups and extra objects • Multiply 6, 7, 8, and 9 by multiples of 10 (for example, 9 × 70 or 6 × 60) • Multiply to convert weeks to days • Solve two-step multiplication word problems
Unit 9 Length, Perimeter, and Area	• Review metric and U.S. customary units for measuring length • Measure length to the nearest quarter-inch or half-inch and write lengths with mixed numbers • Understand that perimeter is the distance around the edge of a shape • Measure to find an object's perimeter • Add the lengths of an object's sides to find its perimeter • Understand that area is the amount of space that a shape covers • Multiply length times width to find the area of rectangles • Split shapes into rectangular parts and add or subtract the areas of the parts to find total area • Solve perimeter and area word problems
Unit 10 Division, Part 1	• Write division equations with the ÷ sign to match two different types of division situations • Understand how to use multiplication to find answers to division problems • Find answers for the ÷2, ÷5, and ÷10 facts • Solve simple division word problems • Solve division problems with remainders
Unit 11 Numbers to 10,000	• Read, write, and compare numbers to 10,000 • Understand place value in four-digit numbers and write four-digit numbers in expanded form • Round to the nearest thousand • Use place-value thinking to mentally add and subtract groups of hundreds (for example, 6,700 + 400 or 5,100 – 300) • Use the addition and subtraction algorithms to add and subtract four-digit numbers • Subtract to find elapsed time between years

| Unit 12
Division, Part 2	• Find answers for the ÷3, ÷4, and ÷ 6 facts • Divide small numbers with the long division algorithm • Solve division word problems with remainders and interpret remainders in context
Unit 13
Geometry	• Identify right angles and tell whether other angles are larger or smaller than a right angle • Identify, describe, and draw squares, rectangles, and rhombuses • Use spatial skills to visualize flips, turns, and slides • Name three-dimensional shapes (cones, cubes, cylinders, rectangular prisms, triangular prisms, and pyramids) and identify faces, edges, and vertices
Unit 14
Elapsed Time	• Review telling time to the minute • Describe times with *past* or *to* • Find times that are a certain number of minutes before or after a given time • Find the number of minutes that elapse between two times • Find times that are a certain number of hours and minutes before or after a given time • Find the number of hours and minutes that elapse between two times • Find how much time has elapsed before or after midnight or noon • Solve elapsed time word problems
Unit 15
Division, Part 3	• Find answers for the ÷7, ÷8, and ÷9 facts • Divide by 7 to convert days to weeks • Use division to solve perimeter and area problems
Unit 16
Weight and Capacity	• Understand the approximate size of an ounce, pound, gram, and kilogram • Estimate weight with ounces, pounds, grams, and kilograms • Understand the approximate size of a cup, pint, quart, gallon, milliliter, and liter • Estimate and measure capacity with cups and milliliters • Read scales and beakers • Solve weight and capacity word problems