

K-2 Lessons

Number and Operations		
Placement Grade	Lesson Title	Lesson Description
K	Writing Numbers 0–10	Learn to write numbers from 0 to 10. Represent a number of objects with a written number 0-10.
K	Count Objects up to 20	Learn to count up to 20 objects arranged in a line, rectangular array, or circle. Learn to count up to 10 objects in a scattered configuration.
K	Count Out a Number of Objects	Given a number from 1-20, learn to count out that many objects.
K	Writing Numbers 10–20	Learn to write numbers from 10 to 20. Represent a number of objects with a written number 0-20.
K	Compare Two Groups of Objects	Learn to compare groups of objects to determine more/greater/less/fewer.
K	Count How Many More	Learn to compare groups to determine how many more objects are in one group than another.
K	Compare Groups of Objects by Size	Learn to identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group.
K	Compare Two Numbers (Numerals)	Learn to compare two numbers from 1 to 10.
K	Order Numbers 1–10	Learn to determine which number is missing to complete a sequence of numbers 1-10.
K	Decomposing Numbers Less than 10	Learn to decompose numbers less than 10 in pairs in more than one way using objects or drawings, and record each decomposition with an equation or drawing.
K	Decomposing 10	Learn to decompose the number 10 in pairs in more than one way using objects or drawings, and record each decomposition with an equation or drawing.
K	Making a 10	Learn to find the number that makes 10 when added to a given number.
K	Fluently Add and Subtract within 5	Learn to count on and count back to gain fluency in adding and subtracting within 5.
K	Identify Coin Names and Values	Learn to identify coin names and coin values.
K	Understanding Tens	Learn that a ten is a bundle of 10 ones. Learn that the decade numbers are tens with zero ones.
K	Understanding Numbers (11–19)	Learn that a teen number is made up of one ten and some leftover ones.
1	Write and Expand Numbers up to 120	Learn to write numbers up to 120 in standard and expanded forms.

Placement Grade	Lesson Title	Lesson Description
1	Comparing Numbers with Symbols	Learn to compare two 2-digit numbers using the symbols for less than, greater than, and equal to.
1	Counting On to Add	Learn to solve addition problems within 20 by counting on from a known amount.
1	Counting Back to Subtract	Learn to solve subtraction problems within 20 by counting back from a known amount.
1	Finding Missing Numbers (Addition)	Learn to solve addition equations with an unknown number represented by a symbol.
1	Finding Missing Numbers (Subtraction)	Learn to solve subtraction equations with an unknown number represented by a symbol.
2	Writing and Expanding Numbers to 1,000	Learn to write and expand numbers to 1,000.
2	Comparing 3-Digit Numbers	Learn to compare two 3-digit numbers based on the meanings of the hundreds, tens, and ones digits, using comparison symbols.
2	Comparing 2- or 3-Digit Numbers	Learn to compare two 2-digit or 3-digit numbers based on the meanings of the hundreds, tens, and ones digits, using comparison symbols.
2	Determining the Value of Coins	Learn to determine the value of a collection of coins up to one dollar.
Algebraic Reasoning		
K	Addition Number Sentences	Learn to write an addition number sentence.
K	Subtraction Number Sentences	Learn to write a subtraction number sentence.
K	Adding Within 10	Learn to solve addition word problems within 10.
K	Subtracting Within 10	Learn to solve subtraction word problems within 10.
1	Add/Subtract to Solve Word Problems	Learn to solve addition and subtraction word problems within 20. Includes add to, with change unknown, and take from, with change unknown.
1	Solving Comparison Word Problems	Learn to solve comparison word problems within 20 using addition and subtraction. Includes comparing amounts with a bigger unknown, and comparing amounts with a smaller unknown.
1	Adding 3 Numbers (up to 10)	Learn to find the sum of three one-digit numbers with sums equal to or less than 10 using multiple strategies.
1	Adding 3 Numbers (up to 20)	Learn to find the sum of three one-digit numbers with sums equal to or less than 20 using multiple strategies.
1	Using Strategies to Add	Learn to solve addition problems using properties and strategies.

Placement Grade	Lesson Title	Lesson Description
1	Using Strategies to Subtract	Learn to subtract by relating subtraction to addition.
1	Using Addition to Subtract	Learn to use addition to solve subtraction problems.
2	Use a Number Line to Add and Subtract	Learn to use a number line to add and subtract numbers within 100.
2	Add/Subtract Strategies	Learn to explain why addition and subtraction strategies work, using place value and properties of operations.
2	Using Models to Add within 1,000	Learn to use models such as base-ten blocks and number lines to add within 1,000.
2	Using Models to Subtract within 1,000	Learn to use models such as base-ten blocks and number lines to subtract within 1,000.
2	Adding with Models	Learn to solve one-step addition word problems (with initial amount unknown) using equations, base-ten blocks, and number lines.
2	Subtracting with Models	Learn to solve one-step subtraction word problems (with initial amount unknown) using equations, base-ten blocks, and number lines.
2	Using Mental Math to Add and Subtract	Learn to use mental math strategies to add and subtract within 20.
2	Add to Solve Problems (Regroup)	Learn to add numbers with regrouping.
2	Subtract to Solve Problems (Regroup)	Learn to subtract numbers with regrouping.
Geometry and Measurement		
K	Comparing Objects by Length	Learn to compare the length of objects.
K	Describing Objects	Learn to describe objects.
K	Comparing Shapes of Different Sizes	Learn to analyze and compare three-dimensional shapes using informal language to describe their similarities, difference, parts, and other attributes.
K	Comparing Shapes on Geoboards	Learn to model shapes in the world by creating two-dimensional shapes on geoboards. Analyze and compare shapes. Investigate the relationship between sides and corners of shapes.
K	Comparing Flats and Solids	Learn to analyze and compare two-dimensional shapes using informal language to describe their similarities, difference, parts, and other attributes.
K	Composing Shapes	Learn to compose simple shapes to form larger shapes. Identify shapes within other shapes.

Placement Grade	Lesson Title	Lesson Description
1	Classifying Two-Dimensional Shapes	Learn how to classify two-dimensional shapes based on attributes of sides and vertices.
1	Describing Solid Shapes	Learn to identify solid shapes including sphere, cone, and cylinder. Describe solid shapes using attributes such as face, edge, and corner.
1	Order and Compare Objects by Length	Learn to order three objects by length. Learn to compare the lengths of two objects using a third object.
1	Measuring with Nonstandard Units	Learn to use non-standard units to estimate and measure lengths.
1	Telling Time (Hour and Half Hour)	Learn to tell time on analog and digital clocks to the hour and half hour.
2	Classify and Sort 2- and 3-D Shapes	Learn to determine the value of a collection of coins up to one dollar.
2	Using Tools to Measure Length	Learn to measure the length of an object by using the appropriate measuring tools.
2	Estimating Lengths (in., ft, cm, m)	Learn to estimate lengths using standard and metric units (in, ft, cm, m).
2	Comparing Lengths (Standard)	Learn to estimate and measure the length of an object in inches. Use inches to find the difference in length of two objects.
2	Comparing Lengths (Metric)	Learn to measure the length of an object in centimeters. Use centimeters to find the difference in length of two objects.
2	Solving Word Problems about Length	Learn to solve word problems about length using drawings and equations with a symbol for the unknown number to represent the problem.
2	Tell and Write Time to the 5 Minutes	Learn how to tell and write time to the nearest five minutes using an analog clock.
Data Analysis		
K	Draw Conclusions from Picture Graphs	Learn to draw conclusions from real-objects and picture graphs.
1	Draw Conclusions – Picture/Bar Graphs	Learn to draw conclusions from a picture and bar graph
2	Solving Problems Using Data	Learn to solve one-step word problems involving addition and subtraction using a pictograph or bar graph.

Placement Grade	Lesson Title	Lesson Description
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3-5 Lessons

Number and Operations		
K	Reading and Writing Numbers to 50	Learn to read, write, and represent numbers up to 50.
K	Comparing Numbers up to 20	Learn to compare numbers up to 20 using $>$, $<$, or $=$.
K	Decompose – Both Sides of Equals Sign	Learn to compose and decompose numbers up to 20 to the left or right of the equal sign.
K	Compose/Decompose Numbers (11–19)	Learn to compose and decompose numbers up to 19.
1	Reading and Writing Numbers to 100	Learn to read and write numerals up to 100.
1	Comparing Numbers	Learn to compare two 2-digit numbers using comparison symbols.
2	Writing and Expanding Numbers to 1,000	Learn to write and expand numbers to 1,000.
2	Comparing 3- and 4-Digit Numbers	Learn to compare three-digit and four-digit numbers using $>$, $<$, and $=$.
2	Partition Shapes/Describe Equal Shares	Learn to partition shapes and describe the equal shares.
2	Understanding Fractions of a Whole	Learn to recognize fractions as part of a whole and understand the meaning of the numerator and the denominator.
3	Expanding Numbers up to 100,000	Learn to expand numbers up to 100,000
3	Comparing Numbers up to 100,000	Learn to compare and order whole numbers up to 100,000 and represent comparisons.
3	Introduction to Multiplication I	Represent and solve problems involving multiplication. Describe a context in which a total number of objects can be expressed as multiplication equation.
3	Introduction to Multiplication II	Represent and solve problems involving multiplication. Describe a context in which a total number of objects can be expressed as multiplication equation.

Placement Grade	Lesson Title	Lesson Description
3	Introduction to Division I	Represent and solve problems involving division. Interpret quotients of whole number as the either the number of objects in each share when objects are partitioned equally, or as the number of shares when objects are partitioned into equal shares.
3	Introduction to Division II	Represent and solve problems involving division. Interpret quotients of whole number as the either the number of objects in each share when objects are partitioned equally, or as the number of shares when objects are partitioned into equal shares.
3	Multiplying with Arrays	Learn to work with equal groups of objects to gain foundations for multiplication. Use addition and/or multiplication to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the product.
3	Multiplication Word Problems	Represent and solve problems involving multiplication. Use multiplication within 100 to solve word problems in situations involving equal groups by using drawings and equations with a symbol for the unknown number to represent the problem.
3	Division Word Problems	Represent and solve problems involving division. Use division within 100 to solve word problems in situations involving equal groups by using drawings and equations with a symbol for the unknown number to represent the problem.
3	Understand Equivalent Fractions	Learn to understand two fractions as equivalent if they are the same size, or the same point on a number line.
3	Simplify Fractions to Whole Numbers	Simplify improper fractions to whole numbers using models.
3	Fractions and Equivalent Whole Numbers	Express whole numbers as fractions and recognize fractions that are equivalent to whole numbers.
3	Comparing Fractions (Like)	Learn to compare two fractions with the same numerator or the same denominator using fraction models.
4	Write and Expand Numbers to 1,000,000	Learn to read numbers to 1,000,000 and to write them in standard and expanded forms.
4	Writing Numbers in Standard Form	Learn to write numbers up to 999,999,999 from word form to standard form.
4	Expanding Numbers up to Ten Million	Learn to expand whole numbers up to 9,999,999.
4	Rounding Whole Numbers	Learn to round whole numbers to a given place-value position through the hundred thousands place.
4	Adding Multi-digit Numbers	Learn to add multi-digit whole numbers using place value and the standard algorithm.
4	Adding 4-Digit Numbers	Learn to add 4-digit whole numbers.

Placement Grade	Lesson Title	Lesson Description
4	Subtracting Multi-digit Numbers	Learn to subtract multi-digit whole numbers using place value and the standard algorithm.
4	Subtracting Across Zeros	Learn to subtract 4-digit whole numbers with multiple zeros.
4	Multiply One-Digit Numbers (Models)	Learn to multiply a multi-digit whole number by a one-digit whole number using base ten blocks and area models.
4	Multiply Two-Digit Numbers (Models)	Learn to multiply two-digit by two-digit numbers using base ten blocks and area models.
4	Using Multiplication to Solve Problems	Learn to model a multiplicative comparison using a multiplication equation.
4	Interpreting Remainders	Solve one-step and two-step word problems in which remainders must be interpreted.
4	Finding Equivalent Fractions	Learn to recognize and generate equivalent fractions using multiplication or division.
4	Comparing Fractions Using Models	Learn to compare two fractions using fraction models.
4	Comparing and Ordering Fractions	Learn to compare and order fractions with like and unlike denominators.
4	Adding and Subtracting Fractions	Learn how adding fractions is joining parts related to the same whole, and how subtracting fractions is separating parts related to the same whole.
4	Add Fractions with Like Denominators	Learn to add fractions with like denominators.
4	Adding Fractions (10 and 100)	Learn to add two fractions with respective denominators of 10 and 100.
4	Adding Fractions (Like)	Solve word problems involving addition of fractions with like denominators by using fraction models and equations.
4	Subtracting Fractions (Like)	Solve word problems involving subtraction of fractions with like denominators by using fraction models and equations.
4	Equivalent Tenths and Hundredths	Express a fraction with denominator 10 as an equivalent fraction with denominator 100.
4	Writing Decimals as Fractions	Learn to express a decimal as a fraction with a denominator of 10 or 100.
4	Comparing and Ordering Decimals	Learn to compare and order decimals up to the thousandths place.
4	Writing and Expanding Decimals	Learn to write and expand decimals to the hundredths place.

Placement Grade	Lesson Title	Lesson Description
4	Adding/Subtracting Decimals	Learn to add and subtract decimals to the thousandths using standard algorithm.
4	Adding and Subtracting Money	Learn to solve addition and subtraction problems involving money.
4	Divide by 1-Digit (Standard Algorithm)	Learn to divide whole numbers up to four-digit by one-digit using standard algorithm.
4	Add/Subtract Decimals	Learn to add and subtract decimal to the hundredths using strategies and relate to a written method or standard algorithm.
5	Round Numbers up to 1,000,000,000	Learn to round numbers up to one billion.
5	Decimals on Number Lines	Learn to identify the number and place on the number line to signify given decimals.
5	Comparing Decimals to Hundredths	Learn to compare two decimal numbers up to the hundredths.
5	Comparing Decimals to Thousandths	Learn to compare decimals to the thousandths using symbols.
5	Rounding Decimals to Identified Place	Learn to round decimals to an identified place value and to the nearest half or whole number.
5	Order Decimals	Learn to order decimals to the thousandths place.
5	Prime Factorization	Learn to write factors of numbers using prime numbers only and prime factorization.
5	Multiplying Whole Numbers (Algorithm)	Learn to multiply multi-digit whole numbers using the standard algorithm.
5	Multiplying up to 3-Digit by 2-Digit	Learn to solve multiplication problems that involve two-digit by two-digit multiplication as well as three-digit by two-digit multiplication.
5	Problem-Solving with Multiplication	Learn to solve real-world problems involving estimation with two-by-two-digit multiplication as well as three-digit by two-digit multiplication.
5	Dividing by 2-Digit Divisors	Learn to solve problems using up to three-digit dividends and two-digit divisors, and check the accuracy of the quotients using multiplication.
5	Dividing 3- and 4-Digit Numbers	Learn to divide 3-digit by 2 digit with no remainders and 4-digit by 2 digit with no remainder.
5	Estimating Sums and Differences	Learn to use estimation strategies to solve real-world problems in which they will find the sum and the difference.
5	Evaluating for Reasonableness	Learn to estimate and evaluate items for reasonableness and determine the reasonableness of given answers.

Placement Grade	Lesson Title	Lesson Description
5	Estimating Decimal Sums/Differences	Learn to estimate sums and differences with decimals.
5	Multiply/Divide Decimals	Learn to multiply and divide decimals to the hundredths using strategies and relate to a written method.
5	Dividing Decimals	Learn to divide decimals with decimals and whole numbers in both the divisor and dividend.
5	Estimate Decimal Products/Quotients	Learn to estimate products and quotients using decimals.
5	Solving One-Step/Multistep Problems	Learn to solve real-world problems involving one- and multistep problems, and determine which method should be used to solve the problem.
5	Comparing Fractions	Learn to compare and order fractions.
5	Add/Subtract Fractions with Models	Learn to add and subtract fractions with unlike denominators.
5	Add/Subtract Mixed Numbers (Unlike)	Learn to add and subtract mixed numbers with unlike denominators using models.
5	Add/Subtract Fractions (Unlike)	Learn to solve real-world problems involving adding and subtracting fractions with unlike denominators.
5	Solving Equations with Addition	Learn to solve one-step equations with whole numbers, decimals, and fractions involving addition.
5	Solving Equations with Subtraction	Learn to solve one-step equations with whole numbers, decimals, and fractions involving subtraction.
5	Interpreting Fractions as Division	Learn to interpret a fraction as representing division. Solve real-world problems involving dividing whole numbers where the answer is a fraction or mixed number.
5	Multiplying Fractions	Learn to multiply a fraction or whole number by a fraction.
5	Multiply Fractions (No Mixed)	Learn to multiply fractions, not including mixed numbers, and simplify answers.
5	Multiply Whole Numbers by Fractions	Learn to determine the effect of multiplying a whole number by a fraction less than 1 and by a fraction greater than 1.
5	Dividing with Unit Fractions	Learn to model dividing whole numbers by unit fractions and unit fractions by whole numbers.
5	Dividing Fractions	Learn to solve real-world problems involving dividing with unit fractions.
Algebraic Reasoning		
K	Addition Equations	Learn to add using objects and addition equations to find sums up to 20.
K	Subtraction Equations	Learn to subtract using objects and subtraction equations to find differences less than 20.

Placement Grade	Lesson Title	Lesson Description
K	Add/Subtract to Solve Problems	Learn to solve addition and subtraction word problems within 20.
K	Adding and Subtracting up to 20	Learn to add and subtract up to 20 using models and number lines.
1	Add/Subtract Word Problems within 50	Learn to solve addition and subtraction word problems within 50.
1	Use Properties and Strategies to Add	Learn to solve addition problems using properties and strategies.
1	Use Strategies to Subtract	Learn to subtract by relating subtraction to addition.
2	Add/Subtract up to 1,000 (Regrouping)	Learn to add and subtract within 1,000 involving regrouping.
2	Adding Four 2-Digit Numbers	Learn to add up to four 2-digit numbers.
2	Solving Word Problems within 1,000	Learn to solve one-step addition and subtraction word problems within 1,000 using standard algorithm.
3	Add/Subtract Numbers (No Regrouping)	Learn to add and subtract whole numbers within 1,000 without regrouping.
3	Add/Subtract Numbers (with Regrouping)	Learn to add and subtract whole numbers within 1,000 with regrouping.
3	Multiply and Divide to Solve Problems	Learn to solve a multi-step word problem using multiplication and division.
3	Use Strategies to Multiply within 100	Learn to understand multiplication and use strategies to fluently multiply within 100.
3	Using Strategies to Divide within 100	Learn to understand division and use strategies to fluently divide within 100.
3	Represent Relationships in a Table	Identify number pairs in a table related to real-world examples.
4	Interpreting Multiplication Equations	Interpret a multiplication equation as a comparison. Represent verbal statements of multiplicative comparisons as multiplication equations.
4	Describing Multiplication Situations	Interpret a multiplication equation as a comparison. Represent verbal statements of multiplicative comparisons as multiplication equations.
4	Using Division to Compare	Learn to use division to make multiplicative comparisons.

Placement Grade	Lesson Title	Lesson Description
4	Represent Situations with Equations	Solve multistep word problems. Represent these problems using equations with a letter standing for the unknown quantity.
4	Find Perimeter by Measuring Lengths	Learn to find the perimeter by measuring the side lengths and adding the side lengths together.
4	Finding the Perimeter of Rectangles	Learn to find the perimeter of a rectangle or missing dimension.
4	Finding Area by Counting Square Units	Learn to find the area by counting half and whole square units.
4	Generating Number Patterns	Learn to represent problems using an input-output table and use numerical expressions to generate a number pattern.
4	Patterns in Input-Output Tables	Solve multistep word problems using the four operations. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers.
5	Find a Missing Number (Multiply)	Determine the unknown whole number in a multiplication equation relating three whole numbers.
5	Find a Missing Number (Divide)	Determine the unknown whole number in a division equation relating three whole numbers.
5	Properties of Multiplication	Understand properties of multiplication and apply these properties as strategies to multiply.
5	Properties of Division	Understand properties of division and apply these properties as strategies to divide.
5	Understand Division as Unknown Factor	Learn to understand division as an unknown-factor problem.
5	Solving 2-Step Problems I	Solve two-step word problems using the four operations. Represent these problems using equations with a letter standing for the unknown quantity.
5	Solving 2-Step Problems II	Solve two-step word problems using the four operations. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.
5	Identify Patterns (Addition)	Learn to identify arithmetic patterns using an addition table.
5	Identify Patterns (Multiplication)	Learn to identify arithmetic patterns using a multiplication table, and explain them using properties of operations.
5	Solving Multistep Word Problems	Solve multistep word problems using the four operations. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers.
5	Using Variables	Learn to write and evaluate algebraic expressions.
5	Evaluating Numerical Expressions	Learn to evaluate expressions with symbols using order of operations.
5	Writing Simple Expressions	Learn to write simple expressions without evaluating.

Placement Grade	Lesson Title	Lesson Description
5	Generating Patterns in Algebra	Learn to find the rule in real-world problems and identify function rules from tables.
5	Generate Numerical Patterns	Learn to generate a numerical pattern when given a rule in the form $y = ax$ or $y = x + a$ and graph.
5	Finding the Perimeter of Polygons	Learn to find perimeter of polygons and regular polygons with and without missing values.
	Finding the Area of Quadrilaterals	Learn to find the area of squares and rectangles.
5	Finding Area of Triangles	Learn to find the area of triangles.
5	Finding the Volume of Solids	Learn to find the volume of cubes and rectangular prisms.
Geometry and Measurement		
K	Describe and Compose Solids	Learn to describe solids and compose solids.
K	Identifying Names of Shapes and Solids	Learn to identify names of shapes and solids.
K	Comparing by Length	Learn to compare two objects with a common measurement attribute to determine which object has more of/less of the attribute and describe the differences.
1	Classifying 2-D Shapes by Attributes	Learn to classify two-dimensional shapes by attributes.
1	Compose Shapes to Make New Shapes	Learn to compose shapes to make new composite shapes.
1	Partition Shapes (Halves and Fourths)	Learn to partition circles, squares, and rectangles into halves and fourths.
1	Measuring Lengths of Objects (No Gaps)	Learn to measure lengths of objects with no gaps or overlaps.
1	Tell Time to the Hour and Half Hour	Learn to tell time to the hour and half hour.
2	Building Squares and Rectangles	Learn to determine the total number of same-size squares in a rectangle partitioned into rows and columns.
2	Using Attributes to Classify Shapes	Learn to classify and sort 2-and 3-dimensional shapes based on attributes.

Placement Grade	Lesson Title	Lesson Description
2	Measuring the Length of Objects	Learn to measure the length of objects using centimeters and inches.
2	Using Data to Solve Problems	Learn to solve one-step word problems involving addition and subtraction using data from pictographs or bar graphs.
2	Tell/Write Time to Nearest Minute	Learn to tell and write time to the nearest minute.
3	Find Area of Rectangles (Unit Squares)	Learn to measure the area of a rectangle using unit squares.
3	Measure Area by Counting Unit Squares	Learn to find the area of a figure by counting unit squares.
3	Use Tiles to Find Area of a Rectangle	Learn to find the area of a rectangle by tiling and by multiplying the side lengths.
3	Classifying Quadrilaterals	Learn to classify and sort two-dimensional and three-dimensional solids based on attributes using formal geometric language.
3	Find Missing Length and Perimeter	Learn to find the perimeter of a polygon or a missing length when given perimeter and remaining side lengths in problems.
4	Multiply to Find Area of a Rectangle	Learn to find the area of a rectangle by multiplying the length and width.
4	Find Lengths Using Area and Perimeter	Learn to find the side lengths of a rectangle using the given area and perimeter of the rectangle.
4	Identify Points, Lines, Segments, Rays	Learn to identify points, lines, line segments, rays, and angles.
4	Exploring Angles	Students will understand that an angle is made up of a series of one-degree turns.
4	Measuring Acute Angles	Understand how to measure acute angles using a protractor.
4	Measuring Obtuse Angles	Understand how to measure obtuse angles using a protractor.
4	Identifying and Classifying Angles	Learn to identify and classify angles as right, obtuse, or acute.
4	Lines and Angles Found in Shapes	Classify two-dimensional figures based on the presence or absence of parallel or perpendicular lines, or the presence or absence of angles of a specified size.
4	Classify 2-D Shapes (Lines and Angles)	Learn to classify two-dimensional figures based on the presence or absence of parallel or perpendicular lines or the presence or absence of angles of a specified size.
4	Classifying Polygons by Attributes	Learn to identify and classify polygons, regular polygons, and non-polygons and their attributes.

Placement Grade	Lesson Title	Lesson Description
4	Converting Customary Units of Length	Learn to find the area by counting half and whole square units.
4	Converting Customary Units of Capacity	Learn to convert customary units of capacity.
4	Converting Customary Units of Weight	Learn to convert customary units of weight and mass.
4	Converting Metric Units of Length	Learn to convert metric units of length.
4	Measurement Problems (Length/Mass)	Learn to classify two-dimensional figures based on the presence or absence of parallel or perpendicular lines or the presence or absence of angles of a specified size.
4	Multiplying and Dividing Money	Learn to solve multiplication and division problems involving money.
5	Decompose Rectangles to Find Area	Learn to find the area of a rectangle by dividing it into two smaller rectangles.
5	Decompose Shapes to Find Area	Learn to find area by decomposing composite shapes into rectangles and adding the areas.
5	Volume of Rectangular Prisms (Units)	Learn to find the volume of a rectangular prism by counting unit cubes.
5	Finding Volume of Rectangular Prisms	Learn to find the volume of a rectangular prism by multiplying the edge lengths, or by multiplying the area of the base by the height.
5	Volume of Rectangular Prisms (Formula)	Learn to find the volume of a rectangular prism by applying the formulas $V = l \times w \times h$ and $V = B \times h$.
5	Finding Volume of Solid Figures	Learn to find the volume of a solid figure composed of two rectangular prisms.
5	Classifying Two-Dimensional Figures	Learn to classify two-dimensional figures in a hierarchy of sets and subsets using graphic organizers based on their attributes and properties.
5	Graphing Ordered Pairs	Learn how to graph ordered pairs of numbers in the first quadrant of the coordinate plane.
5	Identifying Ordered Pairs	Learn to identify ordered pairs on coordinate plane, and locate and plot points in all four quadrants.
5	Solving Customary Length Problems	Learn to apply formulas to solve customary length problems, identify the correct tools to use to solve customary length problems, and apply concepts of estimation to arrive at answers.
5	Solving Customary Weight Problems	Learn to apply formulas to solve customary weight problems, identify the correct tools to use to solve customary weight problems, and apply concepts of estimation to arrive at answers.
5	Solving Customary Capacity Problems	Learn to apply formulas to solve customary capacity problems, identify the correct tools to use to solve customary capacity problems, and apply concepts of estimation to arrive at answers.

Placement Grade	Lesson Title	Lesson Description
5	Solving Customary Temperature Problems	Learn to apply formulas involving temperatures in Fahrenheit degrees to solve real-life problems.
5	Metric System (Multiply/Divide)	Learn about the metric system and how multiplying and dividing by ten affects the placement in the system.
5	Solving Metric Length Problems	Learn to apply formulas to solve metric length problems, identify the correct tools to use to solve metric length problems, and apply concepts of estimation to arrive at answers.
5	Solving Metric Weight Problems	Learn to apply formulas to solve metric weight problems, identify the correct tools to use to solve metric weight problems, and apply concepts of estimation to arrive at answers.
5	Solving Metric Capacity Problems	Learn to apply formulas to solve metric capacity problems. identify the correct tools to use to solve metric capacity problems, and apply concepts of estimation to arrive at answers.
5	Solving Metric Temperature Problems	Learn to apply formulas involving temperatures in Celsius degrees to solve real-life problems.
Data Analysis		
K	Interpreting Picture Graphs	Learn to interpret information to draw conclusions from real-object and picture graphs.
1	Picture and Bar Graphs	Learn to draw conclusions from a picture and bar graph.
3	Summarize Data Sets	Learn to summarize data set with multiple categories using a frequency table, dot plot and bar graph involving whole numbers.
4	Representing Data	Learn to represent data in a bar graph, dot plot and stem-and-leaf plot involving whole numbers and fractions.
5	Solving Problems Using Data	Learn how to solve one-step and two-step problems using data from a dot plot and stem-and-leaf plot involving fractions and decimals.
5	Interpreting and Analyzing Bar Graphs	Learn to interpret and analyze bar graphs.