Grades K–2 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
Number Sense		
K	Counting Numbers 1–5	Learn to recognize that cardinal numbers represent a quantity (numbers 1–5).
K	Count How Many (1–5)	Learn to count 1 to 5 objects arranged in different ways and counted in different orders.
K	Counting Numbers 1–10	Learn to recognize that cardinal numbers represent a quantity (numbers 0–10).
K	Count How Many (6–10)	Learn to count 6 to 10 objects arranged in different ways and counted in different orders.
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	Counting By 1	Learn to understand that each successive number name refers to a quantity that is one more.
K	Count On from a Number Other Than 1	Learn to count on from a given number other than 1.
K	Order Numbers 1–10	Learn to determine which number is missing to complete a sequence of numbers 1–10.
K	Counting to 100	Learn to count by ones and tens.
K	Compare Two Groups of Objects	Learn to compare groups of objects to determine more/greater/less/fewer.
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	Count How Many More	Learn to compare groups to determine how many more objects are in one group than another.
K	Compare Two Numbers (Numerals)	Learn to compare two numbers from 1 to 10.
K	Understanding Numbers (11–19)	Learn that a teen number is made up of one ten and some leftover ones.
K	Understanding Tens	Learn that a ten is a bundle of 10 ones. Learn that the decade numbers are tens with zero ones.

Grades K–2 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
1	Write and Expand Numbers up to 120	Learn to write numbers up to 120 in standard and expanded forms.
1	Counting by 2, 5, and 10	Learn to count by 2, 5, and 10.
1	Counting by 25, 50, and 100	Learn to count by 25, 50, and 100.
1	Comparing Numbers with Symbols	Learn to compare two 2-digit numbers using the symbols for less than, greater than, and equal to.
2	Understanding Hundreds	Learn that the three digits of a 3-digit number represent amounts of hundreds, tens, and ones.
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	Odd and Even Numbers	Learn to determine whether a group of objects (up to 20) has an odd or even number of members by pairing objects or counting by 2s.
2	Even Sums	Learn to determine whether a group of objects (up to 20) has an odd or even number of members by pairing objects or counting them by 2s. Write an equation to express an even number as a sum of two equal addends.
Number Sense and Additive Reasoning		
K	Fluently Add and Subtract within 5	Learn to count on and count back to gain fluency in adding and subtracting within 5.
K	Adding with Objects	Learn to add within 10 given a picture of the objects.
K	Using Models to Subtract	Learn to subtract within 10 given a picture of objects.
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.

Grades K–2 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
K	Making a 10	Learn to find the number that makes 10 when added to a given number.
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	Composing Numbers 11–19	Learn to compose numbers 11–19 by combining a group of 10 with a number less than ten. Record each composition with a drawing or equation.
K	Decomposing Numbers 11–19	Learn to decompose numbers 11–19 by making a group of 10 and amount of ones left over. Record each decomposition with a drawing or equation.
1	Understanding Equations (Add/Subtract)	Learn to work with addition and subtraction equations. Understand the meaning of the equal sign, and determine if equations involving addition and subtraction are true or false.
1	Finding 10 More and 10 Less	Learn to find 10 more and 10 less than a number, without having to count. Explain the reasoning used.
1	Subtracting Multiples of 10	Learn how to subtract multiples of 10 using ten frames and a hundreds chart.
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.
1	Using Addition to Subtract	Learn to use addition to solve subtraction problems.
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	Decomposing to Get a Ten — Addition	Learn to add within 20, demonstrating fluency for addition and subtraction within 10. Use strategies such as decomposing a number leading to a ten and creating equivalent but easier or known sums.
1	Decomposing to Get a Ten — Subtraction	Learn to subtract within 20, demonstrating fluency for addition and subtraction within 10. Use strategies such as decomposing a number leading to a ten and creating equivalent but easier or known sums.

Grades K–2 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
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.
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	Using Strategies to Subtract	Learn to subtract by relating subtraction to addition.
1	Explaining How to Add	Learn to add within 100, including adding a two-digit number and a two-digit number using concrete models or drawings and strategies based on place value and properties of operations.
1	Adding within 100	Learn to add within 100, including adding a two-digit number and a one-digit number using concrete models or drawings and strategies based on place value and properties of operations.
2	Mentally Adding 10 or 100	Learn to mentally add 10 or 100 using place value understanding.
2	Mentally Subtracting 10 or 100	Learn to mentally subtract 10 or 100 using place value understanding.
2	Using Mental Math to Add and Subtract	Learn to use mental math strategies to add and subtract within 20.
2	Add/Subtract Strategies	Learn to explain why addition and subtraction strategies work, using place value and properties of operations.
2	Adding up to Four 2-Digit Numbers	Learn to add up to four 2-digit numbers using strategies based on place value and properties of operations.
2	Using Strategies to Add within 100	Learn to use strategies to add numbers within 100.
2	Subtracting within 100	Learn to use strategies to subtract within 100.
2	Add to Solve Real-World Problems	Learn to represent and solve problems involving addition. Use addition within 100 to solve one- and two-step word problems involving situations of adding to, putting together, e.g., by using models, drawings, and equations with a symbol for the unknown number to represent the problem.
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.

Grades K–2 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
2	Subtract to Solve Real–World Problems	Learn to represent and solve problems involving subtraction. Use subtraction within 100 to solve one- and two-step word problems involving situations of taking from, taking apart, and comparing, e.g., by using models, drawings, and equations with a symbol for the unknown number to represent the problem.
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	Add to Solve Problems (Regroup)	Learn to add numbers with regrouping.
2	Subtract to Solve Problems (Regroup)	Learn to subtract numbers with regrouping.
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 Addition with Arrays	Learn to use addition 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 total as a sum of equal addends.
2	Use a Number Line to Add and Subtract	Learn to use a number line to add and subtract numbers within 100.
Geometric Reasoning		
K	Classifying Two-Dimensional Shapes	Learn how to classify two-dimensional shapes based on attributes of sides and vertices.
K	Identifying Shapes	Learn to identify two-dimensional shapes such as circle, square, triangle, and rectangle. Investigate shapes in a real-world setting.
K	Describing Shapes	Learn to identify two-dimensional shapes including square, circle, triangle, rectangle, hexagon, trapezoid, and rhombus. Correctly name shapes regardless of their orientations or overall size.
K	Making Shape Models	Learn to model shapes in the world by building shapes from components such as sticks and clay balls. Analyze and compare two-dimensional shapes and their attributes.
K	Making Shape Pictures	Learn to compose shapes to make pictures. Identify and count shapes within other shapes.
K	Identifying Shapes and Solids	Learn to identify shapes as two-dimensional (plane or “flat”) or three-dimensional (“solid”).
K	Describe the Position of Objects	Learn to identify shapes in the world and describe the relative positions of objects.

Grades K–2 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
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	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 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	Composing Shapes	Learn to compose simple shapes to form larger shapes. Identify shapes within other shapes.
1	Classify and Sort 2- and 3-D Shapes	Learn to determine the value of a collection of coins up to one dollar.
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	Describing Cubes	Learn to describe cubes with specified attributes, such as number of faces, edges, and vertices.
1	Making Shapes	Learn to compose two-dimensional shapes (rectangles, squares, trapezoids, triangles, half-circles, and quarter-circles) to create a composite shape, and compose new shapes from the composite shape.
1	Building Solids	Learn to compose three-dimensional shapes (cubes, right rectangular prisms, right circular cones, and right circular cylinders) to create a composite shape, and compose new shapes from the composite shape.
1	Making Equal Parts	Learn to partition circles and rectangles into two and four equal shares, and describe the shares.
2	Shape Attributes	Learn to recognize two-dimensional shapes having specified attributes, such as a given number of corners or a given number of sides. Identify triangles, quadrilaterals, pentagons, and hexagons.
Measurement		
K	Comparing Objects by Length	Learn to compare the length of objects.
K	Compare Capacities	Learn to compare the capacity of objects.
K	Describing Objects	Learn to describe objects.
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.

Grades K–2 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
1	Measuring with Nonstandard Units	Learn to use non-standard units to estimate and measure lengths.
1	Identify Coin Names and Values	Learn to identify coin names and coin values.
1	Counting Money Using Strategies	Learn to use the relationships to count by twos, fives, and tens to determine the value of a collection of pennies, nickels and/or dimes.
1	Telling Time (Hour and Half Hour)	Learn to tell time on analog and digital clocks to the hour and half hour.
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	Measuring Length with Different Units	Learn to measure the length of an object using different units and to describe how the measurements relate to the size of the unit.
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.
2	Determining the Value of Coins	Learn to determine the value of a collection of coins up to one dollar.
Data Analysis and Probability		
K	Sorting and Counting Objects	Learn to sort objects into given categories and count the objects in each category.
1	Tally Table	Learn to sort objects into categories and create a tally table.
1	Draw Conclusions from Picture Graphs	Learn to draw conclusions from real-object and picture graphs.
2	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.

Grades 3–5 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
Number Sense		
K	Comparing Numbers up to 20	Learn to compare numbers up to 20 using >, <, or =.
1	Tens and Ones in Numbers (11–19)	Learn to understand tens and ones in teen numbers.
1	Reading and Writing Numbers to 50	Learn to read, write, and represent numbers up to 50.
1	Reading and Writing Numbers to 100	Learn to read and write numerals up to 100.
1	Comparing Two 2-Digit Numbers	Learn to compare two 2-digit numbers using comparison symbols.
2	Understanding Place Value to Hundreds	Learn to understand the three digits of a three-digit number represent amounts of hundreds, tens, and ones.
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 =.
Number Sense and Additive Reasoning		
K	Compose/Decompose Numbers (11–19)	Learn to compose and decompose numbers up to 19.
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	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.
K	Add/Subtract to Solve Problems	Learn to solve addition and subtraction word problems within 20.
1	Mentally Add/Subtract by Tens	Learn to mentally find 10 more or 10 less from any number up to 100.
1	Adding and Subtracting up to 20	Learn to add and subtract up to 20 using models and number lines.
1	Finding the Unknown in Equations	Learn to find the unknown in addition and subtraction equations.
1	Count On and Back to Add and Subtract	Learn to relate counting to addition and subtraction.

Grades 3–5 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
1	Use Strategies to Subtract	Learn to subtract by relating subtraction to addition.
1	Use Properties and Strategies to Add	Learn to solve addition problems using properties and strategies.
1	Identify True/False Equations	Learn to determine whether addition and subtraction equations are true or false.
1	Using Addition to Find an Unknown	Learn subtraction as an unknown-addend problem.
1	Add/Subtract Word Problems within 50	Learn to solve addition and subtraction word problems within 50.
1	Solve Problems Involving Three Numbers	Learn to solve addition word problems involving three whole numbers (sum is less than or equal to 50).
1	Add/Subtract (Models and Place Value)	Learn to add and subtract within 100 using models and place value.
2	Understanding Addition through Arrays	Learn to use addition to find the total number of objects in an array and representing an array with an addition equation.
2	Fluently Add/Subtract within 100	Learn to add and subtract within 100 fluently using strategies based on properties of operations and the relationship between addition and subtraction.
2	Subtracting Numbers with Zeros	Learn to subtract 2- and 3-digit numbers with zeros involving regrouping.
2	Add/Subtract up to 1,000 (Regrouping)	Learn to add and subtract within 1,000 involving regrouping.
2	Mentally Add/Subtract 10 or 100	Learn to mentally add and subtract 10 or 100 from numbers 100–900.
2	Adding Four 2-Digit Numbers	Learn to add up to four 2-digit numbers.
2	Add 2- and 3-Digit Numbers (Regroup)	Learn to add 2- and 3-digit numbers with or without regrouping.
2	Subtracting 2- and 3-Digit Numbers	Learn to subtract 2- and 3-digit numbers involving regrouping.
2	Solving Word Problems within 1,000	Learn to solve one-step addition and subtraction word problems within 1,000 using standard algorithm.
3	Expanding Numbers up to Ten Thousand	Learn to expand whole numbers up to 9,999.
3	Rounding Numbers to Any Place	Learn to round whole numbers to a given place-value position through the thousands place.

Grades 3–5 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
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	Adding with Three or Four Addends	Learn to add three and four single-digit addends with and without regrouping.
3	Adding 4-Digit Numbers	Learn to add 4-digit whole numbers.
3	Subtracting Across Zeros	Learn to subtract 4-digit whole numbers with multiple zeros.
3	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.
3	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.
3	Finding the Unknown in Equations	Learn to find the missing number when given an addition, subtraction, multiplication, or division equation.
3	Identify Patterns (Addition)	Learn to identify arithmetic patterns using an addition table.
3	Identify Patterns (Multiplication)	Learn to identify arithmetic patterns using a multiplication table, and explain them using properties of operations.
3	Applying Rules in Numeric Patterns	Learn to identify and extend patterns to apply pattern rules using a sequence of related numbers.
3	Determining Odd and Even Numbers	Learn to determine whether a given number is odd or even.
3	Rounding with Number Lines	Show how a number fits between two consecutive multiples of 10, 100, 1,000, or 10,000 on a number line, and explain its relative position using words to determine how to round the number.
Algebraic Reasoning		
4	Rounding with Compatible Numbers	Round whole numbers to the nearest 10, 100, or 1,000 by using compatible numbers to estimate and simplify reasoning
4	Solving Two-Step Problems	Solve two-step word problems involving multiplication and division with whole numbers, and interpret remainders in real-world contexts.

Grades 3–5 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
5	Understand Parentheses and Brackets	Interpret parentheses and brackets in numeric expressions to understand their purpose in grouping numbers or operations.
Geometric Reasoning		
K	Describe and Compose Solids	Learn to describe solids and compose solids.
1	Identifying Names of Shapes and Solids	Learn to identify names of shapes and solids.
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.
2	Classifying 2-D Shapes by Attributes	Learn to classify two-dimensional shapes by attributes.
2	Partition Shapes/Describe Equal Shares	Learn to partition shapes and describe the equal shares.
3	Building Squares	Learn to partition a square into rows and columns of same-size squares, and use addition to find the total number of them.
3	Building Rectangles	Learn to partition a rectangle into rows and columns of same-size squares, and use addition to find the total number of them.
3	Find Perimeter by Measuring Lengths	Learn to find the perimeter by measuring the side lengths and adding the side lengths together.
3	Adding Side Lengths to Find Perimeter	Learn to find the perimeter by measuring the lengths and adding the lengths.
3	Building Squares and Rectangles	Learn to determine the total number of same-size squares in a rectangle partitioned into rows and columns.
3	Finding Area by Counting Square Units	Learn to find the area by counting half and whole square units.
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	Multiply to Find Area of a Rectangle	Learn to find the area of a rectangle by multiplying the length and width.

Grades 3–5 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
3	Finding Area by Measuring	Learn to find the area by measuring the lengths and multiplying the lengths.
3	Decompose Rectangles to Find Area	Learn to find the area of a rectangle by dividing it into two smaller rectangles.
3	Decompose Shapes to Find Area	Learn to find area by decomposing composite shapes into rectangles and adding the areas.
3	Identify Points, Lines, Segments, Rays	Learn to identify points, lines, line segments, rays, and angles.
3	Identifying Lines	Learn to identify parallel, perpendicular, and intersecting lines.
3	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.
3	Classifying Polygons by Attributes	Learn to identify and classify polygons, regular polygons, and non-polygons and their attributes.
3	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	Finding the Perimeter of Rectangles	Learn to find the perimeter of a rectangle or missing dimension.
4	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	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	Use Area and Perimeter to Find Lengths	Learn how to find the length and width dimensions of a rectangle when given the perimeter and area.
4	Solving Area Problems (Formula)	Learn to apply the area formula for rectangles to solve real world problems.
4	Identifying and Classifying Angles	Learn to identify and classify angles as right, obtuse, or acute.
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.
5	Finding the Perimeter of Polygons	Learn to find perimeter of polygons and regular polygons with and without missing values.

Grades 3–5 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
5	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	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 the Volume of Solids	Learn to find the volume of cubes and rectangular prisms.
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	Using Attributes to Classify Shapes	Learn to classify and sort 2- and 3-dimensional shapes based on attributes.
5	Classifying Quadrilaterals	Learn to classify and sort two-dimensional and three-dimensional solids based on attributes using formal geometric language.
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.
Measurement		
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	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	Measuring the Length of Objects	Learn to measure the length of objects using centimeters and inches.
3	Tell/Write Time to Nearest Minute	Learn to tell and write time to the nearest minute.

Grades 3–5 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
3	Solve Problems (Elapsed Time)	Learn to solve problems of elapsed time using a number line.
3	Estimating and Measuring Volume	Learn to estimate volumes of objects in liters and milliliters by comparing to benchmark objects.
3	Solving Problems (Mass and Volume)	Learn to solve real-world problems involving mass in kilograms and grams, and volume in liters.
3	Solving Customary Temperature Problems	Learn to apply formulas involving temperatures in Fahrenheit degrees to solve real-life problems.
3	Solving Metric Temperature Problems	Learn to apply formulas involving temperatures in Celsius degrees to solve real-life problems.
4	Converting Customary Units of Length	Learn to find the area by counting half and whole square units.
4	Measurement Problems (Length/Mass)	Learn to find the side lengths of a rectangle using the given area and perimeter of the rectangle.
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	Adding and Subtracting Money	Learn to solve addition and subtraction problems involving money.
4	Multiplying and Dividing Money	Learn to solve multiplication and division problems involving money.
4	Solving Time Interval Problems	Solve one- and two-step word problems involving intervals of time using addition, subtraction, multiplication, or division.
4	Solving Problems with Money	Solve one- and two-step problems involving money by applying addition, subtraction, multiplication, or division.
5	Solving Volume and Mass Problems	Solve one- and two-step word problems involving measurements of liquid volume and mass using addition, subtraction, multiplication, and division.
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.

Grades 3–5 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
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.
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.
Data Analysis and Probability		
1	Interpreting Picture Graphs	Learn to interpret information to draw conclusions from real-object and picture graphs.
2	Picture and Bar Graphs	Learn to draw conclusions from a picture and bar graph.
3	Interpreting and Analyzing Bar Graphs	Learn to interpret and analyze bar graphs.
3	Summarize Data Sets	Learn to summarize data set with multiple categories using a frequency table, dot plot and bar graph involving whole numbers.
3	Using Data to Solve Problems	Learn to solve one-step word problems involving addition and subtraction using data from pictographs or bar graphs.
3	Summarizing Data Sets with Pictographs	Summarize data sets using pictographs.
4	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.
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 with Dot Plots and Tables	Use dot plots and frequency tables with scaled intervals to solve one- and two-step questions.

Grades 3–5 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
5	Analyze Two-Step Data Problems	Solve two-step problems using data from frequency tables, dot plots, bar graphs, stem-and-leaf plots, and scatterplots.
Number Sense and Multiplicative Reasoning		
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	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.
3	Interpreting Multiplication Equations	Interpret a multiplication equation as a comparison. Represent verbal statements of multiplicative comparisons as multiplication equations.
3	Describing Multiplication Situations	Interpret a multiplication equation as a comparison. Represent verbal statements of multiplicative comparisons as multiplication equations.
3	Multiply by a Multiple of Ten I	Multiply one-digit whole numbers by multiples of 10 in the range 10–90 using strategies based on place value and properties of operations.
3	Multiply by a Multiple of Ten II	Multiply one-digit whole numbers by multiples of 10 in the range 10–90 using strategies based on place value and properties of operations.
3	Properties of Multiplication	Understand properties of multiplication and apply these properties as strategies to multiply.
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	Properties of Division	Understand properties of division and apply these properties as strategies to divide.
3	Understand Division as Unknown Factor	Learn to understand division as an unknown-factor problem.

Grades 3–5 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
3	Find a Missing Number (Multiply)	Determine the unknown whole number in a multiplication equation relating three whole numbers.
3	Find a Missing Number (Divide)	Determine the unknown whole number in a division equation relating three whole numbers.
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	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	Multiply and Divide to Solve Problems	Learn to solve a multi-step word problem using multiplication and division.
Number Sense and Operations		
2	Ordering Whole Numbers	Sequence whole numbers up to 1,000,000,000.
4	Multiplying Numbers by 10 and 100	Find products of whole numbers and 10 or 100 using place value and multiplication patterns.
4	Modeling Division with Area Models	Use area models to represent and solve division problems involving up to four-digit dividends and one-digit divisors.
5	Representing Decimals with Money	Model whole numbers and decimals, including tenths and hundredths, by using money.
5	Decimal Division with Models	Represent quotients of decimals to the hundredths using objects and pictorial models.
Fractional Reasoning and Operations		
3	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	Represent Fractions on a Number Line	Learn to identify the fraction shown by a point on a number line and learn how to place a fraction on a number line.

Grades 3–5 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
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.
3	Comparing Fractions	Learn to compare and order fractions.
4	Fraction Multiples	Recognize multiples of a fraction.
4	Equivalent Fractions	Learn to find equivalent forms of fractions not including mixed numbers.
4	Finding Equivalent Fractions	Learn to recognize and generate equivalent fractions using multiplication or division.
4	Generating Equivalent Fractions	Learn to generate equivalent fractions using multiplication and division.
4	Equivalent Tenths and Hundredths	Express a fraction with denominator 10 as an equivalent fraction with denominator 100.
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	Add Fractions with Like Denominators	Learn to add fractions with like denominators.
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	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	Adding Fractions (10 and 100)	Learn to add two fractions with respective denominators of 10 and 100.

Grades 3–5 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
4	Adding a Fraction Multiple Times	Add a fraction multiple times.
4	Add/Subtract Mixed Numbers (Like)	Learn to add and subtract mixed numbers with like denominators.
4	Decomposing Fractions	Decompose a fraction into a sum of fractions with the same denominator in more than one way using a visual fraction model.
4	Decomposing Improper Fractions	Decompose an improper fraction into a sum of fractions with the same denominator in more than one way and record each decomposition with an equation.
4	Multiply Fraction by a Whole — Models	Match a visual model to a multiplication equation involving multiplying a fraction by a whole number.
4	Multiply Fraction by Whole — Multiple	Multiply a fraction by a whole number using previous knowledge of multiples.
4	Multiply Fraction by Whole Number I	Solve word problems involving multiplication of a fraction by a whole number by using visual fraction models to represent the problem.
4	Multiply Fraction by Whole Number II	Solve word problems involving multiplication of a fraction by a whole number by using an equation to represent the problem.
4	Representing Fractions and Decimals	Represent fractions and decimals to the tenths or hundredths as distances from zero on a number line.
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	Add/Subtract Fractions with Models	Learn to add and subtract fractions with unlike denominators.
5	Add Fractions Like/Unlike Denominators	Learn to add fractions, not including mixed numbers, with like and unlike denominators.
5	Subtract Fractions (Like/Unlike)	Learn to subtract fractions, not including mixed numbers, with like and unlike denominators.
5	Add/Subtract Fractions (Unlike)	Learn to solve real-world problems involving adding and subtracting fractions with unlike denominators.
5	Adding Mixed Numbers	Learn to add mixed numbers with and without regrouping.
5	Subtracting Mixed Numbers	Learn to subtract mixed numbers with and without regrouping.
5	Add/Subtract Mixed Numbers (Unlike)	Learn to add and subtract mixed numbers with unlike denominators using models.

Grades 3–5 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
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	Multiply Fractions with an Area Model	Learn to represent the product of two fractions using an area model.
5	Multiply Fractions (No Mixed)	Learn to multiply fractions, not including mixed numbers, and simplify answers.
5	Multiplying Fractions	Learn to multiply a fraction or whole number by a fraction.
5	Multiply Fractions and Mixed Numbers	Solve problems involving multiplying a fraction by a mixed number, and multiplying a mixed number by a mixed number.
5	Dividing with Unit Fractions	Learn to model dividing whole numbers by unit fractions and unit fractions by whole numbers.
5	Dividing Fractions (No Mixed)	Learn to divide fractions, not including mixed numbers, by using reciprocals and simplify answers.
5	Dividing Fractions	Learn to solve real-world problems involving dividing with unit fractions.
Decimal Reasoning and Operations		
4	Writing Decimals as Fractions	Learn to express a decimal as a fraction with a denominator of 10 or 100.
4	Writing and Expanding Decimals	Learn to write and expand decimals to the hundredths place.
4	Comparing Decimals to Hundredths	Learn to compare two decimal numbers up to the hundredths.
4	Ordering Decimals to the Hundredths	Learn to compare and order decimals up to the hundredths.
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	Read/Write Decimals to Thousandths	Learn to read and write numbers to the thousandths in written and standard form and show equivalencies between the two.
5	Read, Write, and Expand Decimals	Learn to read, write, expand decimals to thousandths.
5	Decimals on Number Lines	Learn to identify the number and place on the number line to signify given decimals.
5	Comparing Decimals to Thousandths	Learn to compare decimals to the thousandths using symbols.

Grades 3–5 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
5	Order Decimals	Learn to order decimals to the thousandths place.
5	Comparing and Ordering Decimals	Learn to compare and order decimals up to the thousandths place.
5	Rounding Decimals	Learn to round decimals to any place.
5	Rounding Decimals to Identified Place	Learn to round decimals to an identified place value and to the nearest half or whole number.
5	Estimating Decimal Sums/Differences	Learn to estimate sums and differences with decimals.
5	Adding/Subtracting Decimals	Learn to add and subtract decimals to the thousandths using standard algorithm.
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	Estimate Decimal Products/Quotients	Learn to estimate products and quotients using 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.
Whole Number Reasoning and Operations		
4	Write Numbers in Standard Form	Learn to write numbers up to 999,999 from word form to standard form.
4	Expanding Numbers up to 100,000	Learn to expand numbers up to 100,000.
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	Comparing Numbers up to 100,000	Learn to compare and order whole numbers up to 100,000 and represent comparisons.
4	Compare Numbers up to 1,000,000	Learn to compare multi-digit numbers up to 1,000,000.
4	Rounding to Nearest 10	Round numbers up to the ten-thousands to the nearest ten. Use number lines and knowledge of place value.
4	Rounding to Nearest 100	Round numbers up to the ten-thousands to the nearest hundred. Use number lines and knowledge of place value.

Grades 3–5 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
4	Using Place Value to Round	Use place value understanding to round multi-digit whole number to the nearest ten, hundred, or thousand.
4	Rounding Whole Numbers	Learn to round whole numbers to a given place-value position through the hundred thousands place.
4	Exploring Base Ten I	Multiply by 10 and 100. Generalize place value understanding for multi-digit whole numbers. Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right.
4	Exploring Base Ten II	Divide by 10 and 100. Generalize place value understanding for multi-digit whole numbers. Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right.
4	Adding Multi-Digit Numbers	Learn to add multi-digit whole numbers using place value and the standard algorithm.
4	Subtracting Multi-Digit Numbers	Learn to subtract multi-digit whole numbers using place value and the standard algorithm.
4	Estimating Sums and Differences	Learn to use estimation strategies to solve real-world problems in which they will find the sum and the difference.
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	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.
4	Strategies for Dividing I	Find whole-number quotients and remainders with one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division.
4	Strategies for Dividing II	Find whole-number quotients and remainders with one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, standard algorithms, and models.
4	Divide by 1-Digit (Standard Algorithm)	Learn to divide whole numbers up to four-digit by one-digit using standard algorithm.
4	Interpreting Remainders	Solve one-step and two-step word problems in which remainders must be interpreted.

Grades 3–5 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
4	Evaluating for Reasonableness	Learn to estimate and evaluate items for reasonableness and determine the reasonableness of given answers.
4	Represent Situations with Equations	Solve multi-step word problems. Represent these problems using equations with a letter standing for the unknown quantity.
4	Using Multiplication to Solve Problems	Learn to model a multiplicative comparison using a multiplication equation.
4	Using Division to Compare	Learn to use division to make multiplicative comparisons.
4	Patterns in Input–Output Tables	Learn to find a pattern and rule in an input-output table.
4	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	Understanding Place Value	Interactive Exploration. Learn that a digit in one place represents 10 times as much as it represents in the place to its right and one-tenth of what it represents in the place to its left.
5	Writing Numbers in Standard Form	Learn to write numbers up to 999,999,999 from word form to standard form.
5	Expanding Numbers up to Ten Million	Learn to expand whole numbers up to 9,999,999.
5	Round Numbers up to 1,000,000,000	Learn to round numbers up to one billion.
5	Multiplying by Powers of 10	Learn to use the patterns in the number of zeros in a product when multiplying by a power of 10, and express powers of 10 using exponents.
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	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	Solving One–Step/Multi-Step Problems	Learn to solve real-world problems involving one- and multi-step problems, and determine which method should be used to solve the problem.

Grades 3–5 Lessons

Florida

Placement Grade	Lesson Title	Lesson Description
5	Solving Multi-Step Word Problems	Solve multi-step 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.
5	Prime Factorization	Learn to write factors of numbers using prime numbers only and prime factorization.
5	Finding Rules in Input–Output Tables	Learn how to generate the rule when given a completed input-output table involving addition, subtraction, multiplication, and division.
5	Represent Relationships in a Table	Identify number pairs in a table related to real-world examples.
5	Generating Number Patterns	Learn to represent problems using an input-output table and use numerical expressions to generate a number pattern.
5	Generating Patterns in Algebra	Learn to find the rule in real-world problems and identify function rules from tables.