Grade 4 Accelerated | Florida's B.E.S.T. Standards for Mathematics and Mathematical Thinking and Reasoning Standards Correlation to *Eureka Math²*® Florida

This resource demonstrates the alignment of *Eureka Math² Florida* to the full intent of the Florida B.E.S.T. Standards for Mathematics, the Mathematical Thinking and Reasoning Standards, the English Language Arts Expectations, and the English Language Development Standards. These correlations coincide with the information provided in the Florida Instructional Materials Adoption portal for Form IM7.

The text of each Mathematical Thinking and Reasoning standard, each B.E.S.T. standard, EE and ELD is given followed by all lessons from the grade level that provide coverage of that standard.

Mathematical Thinking and Reasoning Standards	Aligned Components of *Eureka Math²* Florida
MA.K12.MTR.1.1 Actively participate in effortful learning both individually and collectively.	4A M1 Lesson 15: Convert time units and solve time word problems where the change in time is unknown. 4A M1 Lesson 25: Divide by using different strategies. 4A M1 Lesson 26: Apply place value strategies to divide thousands, hundreds, tens, and ones. 4A M1 Lesson 31: Represent, estimate, and solve division word problems and interpret remainders. 4A M2 Lesson 12: Solve word problems involving addition and subtraction of fractions and mixed numbers. 4A M2 Lesson 14: Solve problems by using data from a line plot. 4A M2 Lesson 17: Determine and interpret the mode, median, and range of a given data set. 4A M2 Lesson 19: Collect, represent, and interpret data. 4A M3 Lesson 18: Solve word problems involving fractions with multiplication and division. 4A M3 Lesson 22: Solve multi-step word problems involving the four operations. 4A M4 Lesson 8: Compose and decompose decimals to the thousandths in multiple ways. 4A M4 Lesson 22: Subtract multi-digit numbers with decimals to the thousandths by using the standard algorithm. 4A M5 Lesson 7: Identify quadrilaterals from given properties. 4A M5 Lesson 15: Solve real-world problems involving areas of composite figures with mixed-number and decimal side lengths. 4A M5 Lesson 25: Find the volumes of solid figures composed of right rectangular prisms. 4A M5 Lesson 26: Solve word problems involving perimeter, area, and volume. 4A M6 Lesson 7: Identify and plot points by using ordered pairs. 4A M6 Lesson 9: Draw symmetric figures in the coordinate plane.
MA.K12.MTR.2.1 Demonstrate understanding by representing problems in multiple ways.	4A M1 Lesson 2: Describe relationships between measurements and units of money by using multiplicative comparison. 4A M1 Lesson 5: Relate adjacent place value units by using place value understanding. 4A M1 Lesson 10: Express metric measurements of mass and liquid volume in terms of smaller units. 4A M1 Lesson 17: Solve multiplication word problems by using various methods. 4A M1 Lesson 22: Divide two- and three-digit multiples of 10 by one-digit numbers. 4A M1 Lesson 30: Find whole-number quotients and remainders. 4A M1 Lesson 38: Divide multi-digit numbers by using the standard algorithm and represent remainders as fractions.

Mathematical Thinking and Reasoning Standards	Aligned Components of *Eureka Math²* Florida
MA.K12.MTR.2.1 *continued*	4A M1 Lesson 41: Determine the mean of a data set. 4A M2 Lesson 22: Solve problems by equally redistributing a total amount. 4A M3 Lesson 1: Decompose non-unit fractions into a product of a whole number and a unit fraction. 4A M3 Lesson 6: Solve word problems involving multiplication of a fraction by a whole number. 4A M3 Lesson 25: Solve multi-step word problems involving fractions and write equations with parentheses. 4A M4 Lesson 7: Represent decimal numbers to the thousandths place in different forms. 4A M4 Lesson 12: Compare decimal numbers to the thousandths place. 4A M4 Lesson 15: Apply fraction equivalence to add mixed numbers with tenths and hundredths. 4A M4 Lesson 17: Add and subtract decimal numbers by using place value understanding. 4A M4 Lesson 19: Add and subtract multi-digit numbers with decimals to the hundredths by using the standard algorithm. 4A M4 Lesson 36: Interpret and evaluate numerical expressions and solve real-world problems for given numerical expressions involving decimals. 4A M5 Lesson 18: Find the volume of right rectangular prisms by packing with unit cubes and improvised units. 4A M5 Lesson 20: Interpret volume as filling. 4A M5 Lesson 21: Relate volumes of solids and liquid volume. 4A M6 Lesson 5: Identify mixed-operation relationships between corresponding inputs and outputs in tables. 4A M6 Lesson 15: Collect and represent data on a line graph
MA.K12.MTR.3.1 Complete tasks with mathematical fluency.	4A M1 Lesson 7: Measure lengths by using different metric units. 4A M1 Lesson 13: Measure and convert weight in customary units. 4A M1 Lesson 14: Measure and convert liquid volume in customary units. 4A M1 Lesson 18: Multiply two- and three-digit numbers by two-digit numbers by using the distributive property. 4A M1 Lesson 19: Multiply two- and three-digit numbers by two-digit numbers by using the standard algorithm. 4A M1 Lesson 23: Divide two- and three-digit numbers by one-digit numbers by using an area model. 4A M1 Lesson 24: Divide two- and three-digit numbers by one-digit numbers by using place value strategies.

Mathematical Thinking and Reasoning Standards	Aligned Components of *Eureka Math²* Florida
MA.K12.MTR.3.1 *continued*	4A M1 Lesson 27: Connect pictorial representations of division to long division. 4A M1 Lesson 29: Choose and apply a method to divide multi-digit numbers. 4A M2 Lesson 3: Add and subtract fractions with related units by finding equivalent fractions numerically. 4A M2 Lesson 5: Add and subtract fractions with unrelated units by finding equivalent fractions numerically. 4A M2 Lesson 13: Determine and explain whether an equation involving addition and subtraction with fractions and mixed numbers is true or false. 4A M2 Lesson 15: Represent data on a line plot. 4A M2 Lesson 16: Collect and represent data by using stem-and-leaf plots. 4A M2 Lesson 20: Collect and represent data on a line plot. 4A M3 Lesson 19: Write, interpret, compare, and evaluate numerical expressions. 4A M3 Lesson 24: Determine whether an equation involving multiplication and division with fractions is true or false and use the order of operations to evaluate expressions with fractions. 4A M3 Lesson 26: Evaluate expressions involving nested grouping symbols. 4A M4 Lesson 9: Relate the values of digits in a decimal number by using place value understanding. 4A M4 Lesson 11: Use pictorial representations to compare decimal numbers to the hundredths place. 4A M4 Lesson 25: Multiply decimal numbers to hundredths and two-digit whole numbers by using different methods. 4A M4 Lesson 28: Divide decimal numbers to hundredths by two-digit whole numbers. 4A M4 Lesson 32: Convert measurements and describe relationships between metric units. 4A M4 Lesson 34: Convert metric measurements involving decimals. 4A M5 Lesson 10: Organize, count, and represent a collection of square tiles. 4A M6 Lesson 12: Reason about visual patterns by using tables and graphs.
MA.K12.MTR.4.1 Engage in discussions that reflect on the mathematical thinking of self and others.	4A M1 Lesson 4: Demonstrate that a digit represents $\frac{1}{10}$ as much as what it represents in the place to its left. 4A M1 Lesson 20: Multiply three- and four-digit numbers by three-digit numbers by using the standard algorithm. 4A M1 Lesson 21: Multiply two multi-digit numbers by using the standard algorithm. 4A M1 Lesson 33: Solve multi-step word problems and assess the reasonableness of solutions. 4A M1 Lesson 39: Solve word problems involving division. 4A M1 Lesson 40: Solve problems by using whole-number data from a line plot.

Mathematical Thinking and Reasoning Standards	Aligned Components of *Eureka Math²* Florida
MA.K12.MTR.4.1 *continued*	4A M1 Lesson 42: Interpret numerical data by finding the mean, median, mode, and range. 4A M2 Lesson 2: Add and subtract fractions with related units by using pictorial models to rename fractions. 4A M2 Lesson 9: Subtract whole numbers from mixed numbers and mixed numbers from whole numbers. 4A M2 Lesson 18: Measure length to the nearest eighth inch and sixteenth inch. 4A M2 Lesson 21: Solve problems by using fractional data from a line plot. 4A M3 Lesson 4: Multiply a whole number by a mixed number by using the distributive property. 4A M3 Lesson 10: Multiply fractions less than 1 pictorially. 4A M3 Lesson 13: Multiply fractions. 4A M3 Lesson 16: Divide by whole numbers and unit fractions. 4A M4 Lesson 2: Represent tenths as a place value unit and write mixed numbers in decimal form with tenths. 4A M4 Lesson 14: Round decimal numbers to any place value unit. 4A M4 Lesson 21: Add multi-digit numbers with decimals to the thousandths by using the standard algorithm. 4A M5 Lesson 2: Identify three-dimensional figures and classify the figures into categories based on defining attributes. 4A M5 Lesson 3: Classify triangles into different categories based on attributes. 4A M5 Lesson 5: Classify rectangles and rhombuses based on their properties. 4A M5 Lesson 6: Classify kites and squares based on their properties. 4A M6 Lesson 10: Interpret graphs that represent real-world situations.
MA.K12.MTR.5.1 Use patterns and structure to help understand and connect mathematical concepts.	4A M1 Lesson 1: Interpret multiplication as multiplicative comparison. 4A M1 Lesson 3: Demonstrate that a digit represents 10 times the value of what it represents in the place to its right. 4A M1 Lesson 6: Multiply and divide by 10, 100, and $1{,}000$ and identify patterns in the products and quotients. 4A M1 Lesson 8: Express metric measurements of length in terms of smaller units. 4A M1 Lesson 11: Express measurements of length in terms of smaller units. 4A M1 Lesson 28: Represent division by using partial quotients. 4A M1 Lesson 34: Divide two- and three-digit numbers by multiples of 10 and divide two-digit numbers by two-digit numbers in problems that result in one-digit quotients.

Mathematical Thinking and Reasoning Standards	Aligned Components of *Eureka Math²* Florida
MA.K12.MTR.5.1 *continued*	4A M1 Lesson 36: Divide three- and four-digit numbers by two-digit numbers. 4A M1 Lesson 37: Divide multi-digit numbers by using the standard algorithm to find quotients with and without remainders. 4A M2 Lesson 1: Interpret a fraction as division. 4A M2 Lesson 4: Add and subtract fractions with unrelated units by finding equivalent fractions pictorially. 4A M3 Lesson 2: Multiply a whole number by a fraction by using the associative property. 4A M3 Lesson 5: Find fractions of a set and multiply a fraction less than 1 by a whole number. 4A M3 Lesson 7: Multiply a fraction by a whole number. 4A M3 Lesson 9: Convert smaller customary measurement units to larger measurement units. 4A M3 Lesson 11: Multiply unit fractions by fractions by making simpler problems. 4A M3 Lesson 12: Multiply fractions by fractions greater than 1. 4A M3 Lesson 17: Reason about the size of quotients of whole numbers and unit fractions and quotients of unit fractions and whole numbers. 4A M3 Lesson 20: Determine and explain whether an equation involving operations with whole numbers is true or false. 4A M4 Lesson 1: Decompose 1 one and express tenths in fraction form and decimal form. 4A M4 Lesson 4: Write mixed numbers in decimal form with hundredths. 4A M4 Lesson 6: Model and relate decimal place value units to thousandths. 4A M4 Lesson 10: Multiply and divide decimal numbers by 10, 100, and $1{,}000$. 4A M4 Lesson 23: Multiply decimal numbers to hundredths and one-digit whole numbers or multiples of 10, 100, or $1{,}000$ by using different models and written methods. 4A M4 Lesson 24: Multiply decimal numbers to hundredths and two-digit whole numbers by using area models and vertical form. 4A M4 Lesson 26: Relate decimal-number multiplication to fraction multiplication. 4A M4 Lesson 27: Divide decimal numbers to hundredths by one-digit whole numbers and multiples of 10, 100, or $1{,}000$ by using unit form, place value understanding, and vertical form. 4A M4 Lesson 29: Relate division by 0.1 and 0.01 to division by a unit fraction. 4A M4 Lesson 30: Divide decimal numbers by decimal numbers, resulting in whole-number quotients. 4A M4 Lesson 37: Determine and explain whether an equation involving operations with decimals is true or false. 4A M5 Lesson 1: Analyze hierarchies and identify properties of quadrilaterals. 4A M5 Lesson 4: Classify trapezoids and parallelograms based on their properties.

Mathematical Thinking and Reasoning Standards	Aligned Components of *Eureka Math²* Florida
MA.K12.MTR.5.1 *continued*	4A M5 Lesson 8: Classify quadrilaterals in a hierarchy based on properties. 4A M5 Lesson 9: Find areas of square tiles with fraction side lengths by relating the tile to a unit square. 4A M5 Lesson 11: Find the area of a rectangle with fraction side lengths by relating the rectangle to a unit square. 4A M5 Lesson 12: Find areas of rectangles with fraction side lengths by using multiplication. 4A M5 Lesson 14: Solve mathematical problems involving areas of composite figures with mixed-number side lengths. 4A M5 Lesson 17: Identify attributes and properties of right rectangular prisms. 4A M5 Lesson 19: Compose and decompose right rectangular prisms to find their volume by using layers. 4A M5 Lesson 22: Find the volumes of right rectangular prisms by using the area of the base. 4A M5 Lesson 23: Find the volumes of right rectangular prisms by multiplying the edge lengths. 4A M6 Lesson 1: Determine and express rules for number patterns. 4A M6 Lesson 2: Determine and write expressions for number pattern rules. 4A M6 Lesson 4: Identify multiplication and division relationships between corresponding inputs and outputs in tables. 4A M6 Lesson 6: Construct a coordinate system on a number line and in a plane.
MA.K12.MTR.6.1 Assess the reasonableness of solutions.	4A M1 Lesson 9: Express metric measurements of length in terms of larger units. 4A M1 Lesson 12: Express measurements of length in terms of larger units. 4A M1 Lesson 16: Multiply two-digit numbers by two-digit numbers by using the standard algorithm. 4A M1 Lesson 32: Express a remainder as a fraction. 4A M2 Lesson 6: Solve word problems involving addition and subtraction of fractions. 4A M2 Lesson 7: Add whole numbers and mixed numbers and add mixed numbers with related units. 4A M3 Lesson 8: Convert larger customary measurement units to smaller measurement units. 4A M4 Lesson 13: Round decimal numbers to the nearest one, tenth, or hundredth. 4A M4 Lesson 16: Solve word problems with tenths and hundredths. 4A M4 Lesson 18: Solve word problems involving addition and subtraction of decimal numbers and money. 4A M4 Lesson 31: Reason about quotients when dividing with decimal numbers.

Mathematical Thinking and Reasoning Standards	Aligned Components of *Eureka Math²* Florida
MA.K12.MTR.6.1 *continued*	4A M5 Lesson 13: Multiply mixed numbers. 4A M6 Lesson 13: Reason about patterns in real-world situations.
MA.K12.MTR.7.1 Apply mathematics to real-world contexts.	4A M1 Lesson 35: Divide three-digit numbers by two-digit numbers in problems that result in one-digit quotients. 4A M2 Lesson 8: Add mixed numbers with unrelated units. 4A M2 Lesson 10: Subtract mixed numbers from mixed numbers with related units. 4A M2 Lesson 11: Subtract mixed numbers from mixed numbers with unrelated units. 4A M3 Lesson 3: Solve word problems involving multiplication of a whole number by a fraction. 4A M3 Lesson 14: Divide a nonzero whole number by a unit fraction to find the number of groups and the size of a group. 4A M3 Lesson 15: Divide a unit fraction by a nonzero whole number. 4A M3 Lesson 21: Solve multi-step word problems involving all four operations. 4A M3 Lesson 23: Compare and evaluate numerical expressions and create and solve one-step word problems involving fractions. 4A M4 Lesson 3: Decompose 1 one and express hundredths in fraction form and decimal form. 4A M4 Lesson 5: Represent decimal numbers in expanded form. 4A M4 Lesson 20: Solve multi-step word problems involving money by using decimal notation. 4A M4 Lesson 33: Solve multi-step word problems by using metric measurement conversion. 4A M4 Lesson 35: Convert customary measurements involving decimals. 4A M5 Lesson 16: Solve multi-step word problems involving multiplication of mixed numbers. 4A M5 Lesson 24: Solve word problems involving volumes of right rectangular prisms. 4A M6 Lesson 3: Identify addition and subtraction relationships between corresponding inputs and outputs in tables. 4A M6 Lesson 8: Describe the distance and direction between points in the coordinate plane. 4A M6 Lesson 11: Plot data in the coordinate plane and analyze relationships. 4A M6 Lesson 14: Interpret line graphs. 4A M6 Lesson 16: Collect and represent data on a line plot.

Number Sense and Operations

MA.4.NSO.1 Understand place value for multi-digit numbers.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.4.NSO.1.1 Express how the value of a digit in a multi-digit whole number changes if the digit moves one place to the left or right.	4A M1 Lesson 3: Demonstrate that a digit represents 10 times the value of what it represents in the place to its right. 4A M1 Lesson 4: Demonstrate that a digit represents $\frac{1}{10}$ as much as what it represents in the place to its left.
MA.4.NSO.1.5 Plot, order and compare decimals up to the hundredths.	4A M4 Lesson 1: Decompose 1 one and express tenths in fraction form and decimal form. 4A M4 Lesson 11: Use pictorial representations to compare decimal numbers to the hundredths place. 4A M4 Lesson 12: Compare decimal numbers to the thousandths place.

Number Sense and Operations

MA.4.NSO.2 Build an understanding of operations with multi-digit numbers including decimals.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.4.NSO.2.1 Recall multiplication facts with factors up to 12 and related division facts with automaticity.	4A M1 Lesson 22: Divide two- and three-digit multiples of 10 by one-digit numbers.
MA.4.NSO.2.3 Multiply two whole numbers, each up to two digits, including using a standard algorithm with procedural fluency.	4A M1 Lesson 16: Multiply two-digit numbers by two-digit numbers by using the standard algorithm. 4A M1 Lesson 17: Solve multiplication word problems by using various methods.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.4.NSO.2.4 Divide a whole number up to four digits by a one-digit whole number with procedural reliability. Represent remainders as fractional parts of the divisor.	4A M1 Lesson 22: Divide two- and three-digit multiples of 10 by one-digit numbers. 4A M1 Lesson 23: Divide two- and three-digit numbers by one-digit numbers by using an area model. 4A M1 Lesson 24: Divide two- and three-digit numbers by one-digit numbers by using place value strategies. 4A M1 Lesson 25: Divide by using different strategies. 4A M1 Lesson 26: Apply place value strategies to divide thousands, hundreds, tens, and ones. 4A M1 Lesson 27: Connect pictorial representations of division to long division. 4A M1 Lesson 28: Represent division by using partial quotients. 4A M1 Lesson 29: Choose and apply a method to divide multi-digit numbers. 4A M1 Lesson 30: Find whole-number quotients and remainders. 4A M1 Lesson 31: Represent, estimate, and solve division word problems and interpret remainders. 4A M1 Lesson 32: Express a remainder as a fraction. 4A M1 Lesson 33: Solve multi-step word problems and assess the reasonableness of solutions.
MA.4.NSO.2.6 Identify the number that is one-tenth more, one-tenth less, one-hundredth more and one-hundredth less than a given number.	4A M4 Lesson 2: Represent tenths as a place value unit and write mixed numbers in decimal form with tenths. 4A M4 Lesson 4: Write mixed numbers in decimal form with hundredths.
MA.4.NSO.2.7 Explore the addition and subtraction of multi-digit numbers with decimals to the hundredths.	4A M4 Lesson 17: Add and subtract decimal numbers by using place value understanding.

Algebraic Reasoning

MA.4.AR.1 Represent and solve problems involving the four operations with whole numbers and fractions.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.4.AR.1.1 Solve real-world problems involving multiplication and division of whole numbers including problems in which remainders must be interpreted within the context.	4A M1 Lesson 1: Interpret multiplication as multiplicative comparison. 4A M1 Lesson 2: Describe relationships between measurements and units of money by using multiplicative comparison. 4A M1 Lesson 3: Demonstrate that a digit represents 10 times the value of what it represents in the place to its right. 4A M1 Lesson 30: Find whole-number quotients and remainders. 4A M1 Lesson 31: Represent, estimate, and solve division word problems and interpret remainders. 4A M1 Lesson 32: Express a remainder as a fraction. 4A M1 Lesson 33: Solve multi-step word problems and assess the reasonableness of solutions.
MA.4.AR.1.3 Solve real-world problems involving multiplication of a fraction by a whole number or a whole number by a fraction.	4A M3 Lesson 3: Solve word problems involving multiplication of a whole number by a fraction. 4A M3 Lesson 6: Solve word problems involving multiplication of a fraction by a whole number.

Algebraic Reasoning

MA.4.AR.2 Demonstrate an understanding of equality and operations with whole numbers.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.4.AR.2.2 Given a mathematical or real-world context, write an equation involving multiplication or division to determine the unknown whole number with the unknown in any position.	4A M1 Lesson 15: Convert time units and solve time word problems where the change in time is unknown. 4A M1 Lesson 32: Express a remainder as a fraction.

Algebraic Reasoning

MA.4.AR.3 Recognize numerical patterns, including patterns that follow a given rule.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.4.AR.3.2 Generate, describe and extend a numerical pattern that follows a given rule.	4A M1 Lesson 1: Interpret multiplication as multiplicative comparison.

Measurement

MA.4.M.1 Measure the length of objects and solve problems involving measurement.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.4.M.1.1 Select and use appropriate tools to measure attributes of objects.	4A M1 Lesson 7: Measure lengths by using different metric units. 4A M1 Lesson 13: Measure and convert weight in customary units. 4A M1 Lesson 14: Measure and convert liquid volume in customary units. 4A M2 Lesson 18: Measure length to the nearest eighth inch and sixteenth inch.
MA.4.M.1.2 Convert within a single system of measurement using the units: yards, feet, inches; kilometers, meters, centimeters, millimeters; pounds, ounces; kilograms, grams; gallons, quarts, pints, cups; liter, milliliter; and hours, minutes, seconds.	4A M1 Lesson 8: Express metric measurements of length in terms of smaller units. 4A M1 Lesson 9: Express metric measurements of length in terms of larger units. 4A M1 Lesson 10: Express metric measurements of mass and liquid volume in terms of smaller units. 4A M1 Lesson 11: Express measurements of length in terms of smaller units. 4A M1 Lesson 12: Express measurements of length in terms of larger units. 4A M1 Lesson 13: Measure and convert weight in customary units. 4A M1 Lesson 14: Measure and convert liquid volume in customary units. 4A M1 Lesson 15: Convert time units and solve time word problems where the change in time is unknown.

Measurement

MA.4.M.2 Solve problems involving time and money.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.4.M.2.1 Solve two-step real-world problems involving distances and intervals of time using any combination of the four operations.	4A M1 Lesson 2: Describe relationships between measurements and units of money by using multiplicative comparison. 4A M1 Lesson 15: Convert time units and solve time word problems where the change in time is unknown.
MA.4.M.2.2 Solve one- and two-step addition and subtraction real-world problems involving money using decimal notation.	4A M4 Lesson 18: Solve word problems involving addition and subtraction of decimal numbers and money.

Fractions

MA.4.FR.1 Develop an understanding of the relationship between different fractions and the relationship between fractions and decimals.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.4.FR.1.1 Model and express a fraction, including mixed numbers and fractions greater than one, with the denominator 10 as an equivalent fraction with the denominator 100.	4A M4 Lesson 3: Decompose 1 one and express hundredths in fraction form and decimal form. 4A M4 Lesson 4: Write mixed numbers in decimal form with hundredths. 4A M4 Lesson 5: Represent decimal numbers in expanded form.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.4.FR.1.2 Use decimal notation to represent fractions with denominators of 10 or 100, including mixed numbers and fractions greater than 1, and use fractional notation with denominators of 10 or 100 to represent decimals.	4A M4 Lesson 1: Decompose 1 one and express tenths in fraction form and decimal form. 4A M4 Lesson 2: Represent tenths as a place value unit and write mixed numbers in decimal form with tenths. 4A M4 Lesson 3: Decompose 1 one and express hundredths in fraction form and decimal form. 4A M4 Lesson 4: Write mixed numbers in decimal form with hundredths. 4A M4 Lesson 5: Represent decimal numbers in expanded form. 4A M4 Lesson 16: Solve word problems with tenths and hundredths.

Fractions

MA.4.FR.2 Build a foundation of addition, subtraction and multiplication operations with fractions.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.4.FR.2.3 Explore the addition of a fraction with denominator of 10 to a fraction with denominator of 100 using equivalent fractions.	4A M4 Lesson 15: Apply fraction equivalence to add mixed numbers with tenths and hundredths. 4A M4 Lesson 16: Solve word problems with tenths and hundredths.
MA.4.FR.2.4 Extend previous understanding of multiplication to explore the multiplication of a fraction by a whole number or a whole number by a fraction.	4A M3 Lesson 1: Decompose non-unit fractions into a product of a whole number and a unit fraction. 4A M3 Lesson 2: Multiply a whole number by a fraction by using the associative property. 4A M3 Lesson 3: Solve word problems involving multiplication of a whole number by a fraction. 4A M3 Lesson 4: Multiply a whole number by a mixed number by using the distributive property. 4A M3 Lesson 5: Find fractions of a set and multiply a fraction less than 1 by a whole number. 4A M3 Lesson 6: Solve word problems involving multiplication of a fraction by a whole number.

Data Analysis and Probability

MA.4.DP.1 Collect, represent and interpret data and find the mode, median and range of a data set.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.4.DP.1.1 Collect and represent numerical data, including fractional values, using tables, stem-and-leaf plots or line plots.	4A M2 Lesson 14: Solve problems by using data from a line plot. 4A M2 Lesson 15: Represent data on a line plot. 4A M2 Lesson 16: Collect and represent data by using stem-and-leaf plots. 4A M2 Lesson 19: Collect, represent, and interpret data.
MA.4.DP.1.2 Determine the mode, median or range to interpret numerical data including fractional values, represented with tables, stem-and-leaf plots or line plots.	4A M2 Lesson 14: Solve problems by using data from a line plot. 4A M2 Lesson 15: Represent data on a line plot. 4A M2 Lesson 17: Determine and interpret the mode, median, and range of a given data set. 4A M2 Lesson 19: Collect, represent, and interpret data.
MA.4.DP.1.3 Solve real-world problems involving numerical data.	4A M2 Lesson 16: Collect and represent data by using stem-and-leaf plots. 4A M2 Lesson 17: Determine and interpret the mode, median, and range of a given data set. 4A M2 Lesson 19: Collect, represent, and interpret data.

Number Sense and Operations

MA.5.NSO.1 Understand the place value of multi-digit numbers with decimals to the thousandths place.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.5.NSO.1.1 Express how the value of a digit in a multi-digit number with decimals to the thousandths changes if the digit moves one or more places to the left or right.	4A M1 Lesson 5: Relate adjacent place value units by using place value understanding. 4A M1 Lesson 6: Multiply and divide by 10, 100, and $1{,}000$ and identify patterns in the products and quotients. 4A M4 Lesson 6: Model and relate decimal place value units to thousandths. 4A M4 Lesson 9: Relate the values of digits in a decimal number by using place value understanding.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.5.NSO.1.2 Read and write multi-digit numbers with decimals to the thousandths using standard form, word form and expanded form.	4A M4 Lesson 6: Model and relate decimal place value units to thousandths. 4A M4 Lesson 7: Represent decimal numbers to the thousandths place in different forms.
MA.5.NSO.1.3 Compose and decompose multi-digit numbers with decimals to the thousandths in multiple ways using the values of the digits in each place. Demonstrate the compositions or decompositions using objects, drawings and expressions or equations.	4A M4 Lesson 6: Model and relate decimal place value units to thousandths. 4A M4 Lesson 7: Represent decimal numbers to the thousandths place in different forms. 4A M4 Lesson 8: Compose and decompose decimals to the thousandths in multiple ways
MA.5.NSO.1.4 Plot, order and compare multi-digit numbers with decimals up to the thousandths.	4A M4 Lesson 12: Compare decimal numbers to the thousandths place.
MA.5.NSO.1.5 Round multi-digit numbers with decimals to the thousandths to the nearest hundredth, tenth or whole number.	4A M4 Lesson 13: Round decimal numbers to the nearest one, tenth, or hundredth. 4A M4 Lesson 14: Round decimal numbers to any place value unit.

Number Sense and Operations

MA.5.NSO.2 Add, subtract, multiply and divide multi-digit numbers.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.5.NSO.2.1 Multiply multi-digit whole numbers including using a standard algorithm with procedural fluency.	4A M1 Lesson 18: Multiply two- and three-digit numbers by two-digit numbers by using the distributive property. 4A M1 Lesson 19: Multiply two- and three-digit numbers by two-digit numbers by using the standard algorithm. 4A M1 Lesson 20: Multiply three- and four-digit numbers by three-digit numbers by using the standard algorithm. 4A M1 Lesson 21: Multiply two multi-digit numbers by using the standard algorithm.
MA.5.NSO.2.2 Divide multi-digit whole numbers, up to five digits by two digits, including using a standard algorithm with procedural fluency. Represent remainders as fractions.	4A M1 Lesson 34: Divide two- and three-digit numbers by multiples of 10 and divide two-digit numbers by two-digit numbers in problems that result in one-digit quotients. 4A M1 Lesson 35: Divide three-digit numbers by two-digit numbers in problems that result in one-digit quotients. 4A M1 Lesson 36: Divide three- and four-digit numbers by two-digit numbers. 4A M1 Lesson 37: Divide multi-digit numbers by using the standard algorithm to find quotients with and without remainders. 4A M1 Lesson 38: Divide multi-digit numbers by using the standard algorithm and represent remainders as fractions. 4A M1 Lesson 39: Solve word problems involving division.
MA.5.NSO.2.3 Add and subtract multi-digit numbers with decimals to the thousandths, including using a standard algorithm with procedural fluency.	4A M4 Lesson 21: Add multi-digit numbers with decimals to the thousandths by using the standard algorithm. 4A M4 Lesson 22: Subtract multi-digit numbers with decimals to the thousandths by using the standard algorithm.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.5.NSO.2.4 Explore the multiplication and division of multi-digit numbers with decimals to the hundredths using estimation, rounding and place value.	4A M4 Lesson 10: Multiply and divide decimal numbers by 10, 100, and 1,000. 4A M4 Lesson 23: Multiply decimal numbers to hundredths and one-digit whole numbers or multiples of 10, 100, or 1,000 by using different models and written methods. 4A M4 Lesson 24: Multiply decimal numbers to hundredths and two-digit whole numbers by using area models and vertical form. 4A M4 Lesson 25: Multiply decimal numbers to hundredths and two-digit whole numbers by using different methods. 4A M4 Lesson 26: Relate decimal-number multiplication to fraction multiplication. 4A M4 Lesson 27: Divide decimal numbers to hundredths by one-digit whole numbers and multiples of 10, 100, or 1,000 by using unit form, place value understanding, and vertical form. 4A M4 Lesson 28: Divide decimal numbers to hundredths by two-digit whole numbers. 4A M4 Lesson 29: Relate division by 0.1 and 0.01 to division by a unit fraction. 4A M4 Lesson 30: Divide decimal numbers by decimal numbers, resulting in whole-number quotients. 4A M4 Lesson 31: Reason about quotients when dividing with decimal numbers.
MA.5.NSO.2.5 Multiply and divide a multi-digit number with decimals to the tenths by one-tenth and one-hundredth with procedural reliability.	4A M4 Lesson 10: Multiply and divide decimal numbers by 10, 100, and 1,000. 4A M4 Lesson 26: Relate decimal-number multiplication to fraction multiplication. 4A M4 Lesson 29: Relate division by 0.1 and 0.01 to division by a unit fraction.

Algebraic Reasoning

MA.5.AR.1 Solve problems involving the four operations with whole numbers and fractions.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.5.AR.1.1 Solve multi-step real-world problems involving any combination of the four operations with whole numbers, including problems in which remainders must be interpreted within the context.	4A M1 Lesson 34: Divide two- and three-digit numbers by multiples of 10 and divide two-digit numbers by two-digit numbers in problems that result in one-digit quotients. 4A M1 Lesson 35: Divide three-digit numbers by two-digit numbers in problems that result in one-digit quotients. 4A M1 Lesson 36: Divide three- and four-digit numbers by two-digit numbers. 4A M1 Lesson 38: Divide multi-digit numbers by using the standard algorithm and represent remainders as fractions. 4A M1 Lesson 39: Solve word problems involving division. 4A M3 Lesson 21: Solve multi-step word problems involving all four operations. 4A M3 Lesson 22: Solve multi-step word problems involving the four operations.
MA.5.AR.1.2 Solve real-world problems involving the addition, subtraction or multiplication of fractions, including mixed numbers and fractions greater than 1.	4A M2 Lesson 6: Solve word problems involving addition and subtraction of fractions. 4A M2 Lesson 8: Add mixed numbers with unrelated units. 4A M2 Lesson 11: Subtract mixed numbers from mixed numbers with unrelated units. 4A M2 Lesson 12: Solve word problems involving addition and subtraction of fractions and mixed numbers. 4A M3 Lesson 13: Multiply fractions. 4A M3 Lesson 18: Solve word problems involving fractions with multiplication and division. 4A M3 Lesson 23: Compare and evaluate numerical expressions and create and solve one-step word problems involving fractions. 4A M3 Lesson 25: Solve multi-step word problems involving fractions and write equations with parentheses. 4A M5 Lesson 15: Solve real-world problems involving areas of composite figures with mixed-number and decimal side lengths. 4A M5 Lesson 16: Solve multi-step word problems involving multiplication of mixed numbers.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.5.AR.1.3 Solve real-world problems involving division of a unit fraction by a whole number and a whole number by a unit fraction.	4A M3 Lesson 14: Divide a nonzero whole number by a unit fraction to find the number of groups and the size of a group. 4A M3 Lesson 15: Divide a unit fraction by a nonzero whole number. 4A M3 Lesson 16: Divide by whole numbers and unit fractions. 4A M3 Lesson 17: Reason about the size of quotients of whole numbers and unit fractions and quotients of unit fractions and whole numbers. 4A M3 Lesson 18: Solve word problems involving fractions with multiplication and division. 4A M3 Lesson 23: Compare and evaluate numerical expressions and create and solve one-step word problems involving fractions. 4A M3 Lesson 25: Solve multi-step word problems involving fractions and write equations with parentheses.

Algebraic Reasoning

MA.5.AR.2 Demonstrate an understanding of equality, the order of operations and equivalent numerical expressions.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.5.AR.2.1 Translate written real-world and mathematical descriptions into numerical expressions and numerical expressions into written mathematical descriptions.	4A M3 Lesson 19: Write, interpret, compare, and evaluate numerical expressions. 4A M3 Lesson 26: Evaluate expressions involving nested grouping symbols. 4A M4 Lesson 36: Interpret and evaluate numerical expressions and solve real-world problems for given numerical expressions involving decimals.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.5.AR.2.2 Evaluate multi-step numerical expressions using order of operations.	4A M2 Lesson 13: Determine and explain whether an equation involving addition and subtraction with fractions and mixed numbers is true or false. 4A M3 Lesson 19: Write, interpret, compare, and evaluate numerical expressions. 4A M3 Lesson 20: Determine and explain whether an equation involving operations with whole numbers is true or false. 4A M3 Lesson 24: Determine whether an equation involving multiplication and division with fractions is true or false and use the order of operations to evaluate expressions with fractions. 4A M3 Lesson 25: Solve multi-step word problems involving fractions and write equations with parentheses. 4A M3 Lesson 26: Evaluate expressions involving nested grouping symbols. 4A M4 Lesson 36: Interpret and evaluate numerical expressions and solve real-world problems for given numerical expressions involving decimals. 4A M4 Lesson 37: Determine and explain whether an equation involving operations with decimals is true or false.
MA.5.AR.2.3 Determine and explain whether an equation involving any of the four operations is true or false.	4A M2 Lesson 13: Determine and explain whether an equation involving addition and subtraction with fractions and mixed numbers is true or false. 4A M3 Lesson 20: Determine and explain whether an equation involving operations with whole numbers is true or false. 4A M3 Lesson 24: Determine whether an equation involving multiplication and division with fractions is true or false and use the order of operations to evaluate expressions with fractions. 4A M4 Lesson 37: Determine and explain whether an equation involving operations with decimals is true or false.
MA.5.AR.2.4 Given a mathematical or real-world context, write an equation involving any of the four operations to determine the unknown whole number with the unknown in any position.	4A M3 Lesson 21: Solve multi-step word problems involving all four operations. 4A M6 Lesson 3: Identify addition and subtraction relationships between corresponding inputs and outputs in tables. 4A M6 Lesson 4: Identify multiplication and division relationships between corresponding inputs and outputs in tables. 4A M6 Lesson 5: Identify mixed-operation relationships between corresponding inputs and outputs in tables.

Algebraic Reasoning

MA.5.AR.3 Analyze patterns and relationships between inputs and outputs.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.5.AR.3.1 Given a numerical pattern, identify and write a rule that can describe the pattern as an expression.	4A M6 Lesson 2: Determine and write expressions for number pattern rules. 4A M6 Lesson 3: Identify addition and subtraction relationships between corresponding inputs and outputs in tables. 4A M6 Lesson 4: Identify multiplication and division relationships between corresponding inputs and outputs in tables. 4A M6 Lesson 5: Identify mixed-operation relationships between corresponding inputs and outputs in tables.
MA.5.AR.3.2 Given a rule for a numerical pattern, use a two-column table to record the inputs and outputs.	4A M6 Lesson 1: Determine and express rules for number patterns. 4A M6 Lesson 2: Determine and write expressions for number pattern rules. 4A M6 Lesson 3: Identify addition and subtraction relationships between corresponding inputs and outputs in tables. 4A M6 Lesson 4: Identify multiplication and division relationships between corresponding inputs and outputs in tables. 4A M6 Lesson 5: Identify mixed-operation relationships between corresponding inputs and outputs in tables. 4A M6 Lesson 12: Reason about visual patterns by using tables and graphs.

Measurement

MA.5.M.1 Convert measurement units to solve multi-step problems.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.5.M.1.1 Solve multi-step real-world problems that involve converting measurement units to equivalent measurements within a single system of measurement.	4A M3 Lesson 8: Convert larger customary measurement units to smaller measurement units. 4A M3 Lesson 9: Convert smaller customary measurement units to larger measurement units. 4A M4 Lesson 32: Convert measurements and describe relationships between metric units. 4A M4 Lesson 33: Solve multi-step word problems by using metric measurement conversion. 4A M4 Lesson 34: Convert metric measurements involving decimals. 4A M4 Lesson 35: Convert customary measurements involving decimals.

Measurement

MA.5.M.2 Solve problems involving money.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.5.M.2.1 Solve multi-step real-world problems involving money using decimal notation.	4A M4 Lesson 19: Add and subtract multi-digit numbers with decimals to the hundredths by using the standard algorithm. 4A M4 Lesson 20: Solve multi-step word problems involving money by using decimal notation. 4A M4 Lesson 36: Interpret and evaluate numerical expressions and solve real-world problems for given numerical expressions involving decimals.

Fractions

MA.5.FR.1 Interpret a fraction as an answer to a division problem.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.5.FR.1.1 Given a mathematical or real-world problem, represent the division of two whole numbers as a fraction.	4A M2 Lesson 1: Interpret a fraction as division.

Fractions

MA.5.FR.2 Perform operations with fractions.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.5.FR.2.1 Add and subtract fractions with unlike denominators, including mixed numbers and fractions greater than 1, with procedural reliability.	4A M2 Lesson 2: Add and subtract fractions with related units by using pictorial models to rename fractions. 4A M2 Lesson 3: Add and subtract fractions with related units by finding equivalent fractions numerically. 4A M2 Lesson 4: Add and subtract fractions with unrelated units by finding equivalent fractions pictorially. 4A M2 Lesson 5: Add and subtract fractions with unrelated units by finding equivalent fractions numerically. 4A M2 Lesson 7: Add whole numbers and mixed numbers and add mixed numbers with related units. 4A M2 Lesson 8: Add mixed numbers with unrelated units. 4A M2 Lesson 9: Subtract whole numbers from mixed numbers and mixed numbers from whole numbers. 4A M2 Lesson 10: Subtract mixed numbers from mixed numbers with related units. 4A M2 Lesson 11: Subtract mixed numbers from mixed numbers with unrelated units.
MA.5.FR.2.2 Extend previous understanding of multiplication to multiply a fraction by a fraction, including mixed numbers and fractions greater than 1, with procedural reliability.	4A M3 Lesson 7: Multiply a fraction by a whole number. 4A M3 Lesson 8: Convert larger customary measurement units to smaller measurement units. 4A M3 Lesson 9: Convert smaller customary measurement units to larger measurement units. 4A M3 Lesson 10: Multiply fractions less than 1 pictorially. 4A M3 Lesson 11: Multiply unit fractions by fractions by making simpler problems. 4A M3 Lesson 12: Multiply fractions by fractions greater than 1. 4A M3 Lesson 13: Multiply fractions. 4A M5 Lesson 13: Multiply mixed numbers. 4A M5 Lesson 14: Solve mathematical problems involving areas of composite figures with mixed-number side lengths.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.5.FR.2.3 When multiplying a given number by a fraction less than 1 or a fraction greater than 1, predict and explain the relative size of the product to the given number without calculating.	4A M3 Lesson 10: Multiply fractions less than 1 pictorially. 4A M3 Lesson 12: Multiply fractions by fractions greater than 1. 4A M3 Lesson 13: Multiply fractions.
MA.5.FR.2.4 Extend previous understanding of division to explore the division of a unit fraction by a whole number and a whole number by a unit fraction.	4A M3 Lesson 14: Divide a nonzero whole number by a unit fraction to find the number of groups and the size of a group. 4A M3 Lesson 15: Divide a unit fraction by a nonzero whole number. 4A M3 Lesson 16: Divide by whole numbers and unit fractions.

Geometric Reasoning

MA.5.GR.1 Classify two-dimensional figures and three-dimensional figures based on defining attributes.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.5.GR.1.1 Classify triangles or quadrilaterals into different categories based on shared defining attributes. Explain why a triangle or quadrilateral would or would not belong to a category.	4A M5 Lesson 1: Analyze hierarchies and identify properties of quadrilaterals. 4A M5 Lesson 3: Classify triangles into different categories based on attributes. 4A M5 Lesson 4: Classify trapezoids and parallelograms based on their properties. 4A M5 Lesson 5: Classify rectangles and rhombuses based on their properties. 4A M5 Lesson 6: Classify kites and squares based on their properties. 4A M5 Lesson 7: Identify quadrilaterals from given properties. 4A M5 Lesson 8: Classify quadrilaterals in a hierarchy based on properties.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.5.GR.1.2 Identify and classify three-dimensional figures into categories based on their defining attributes. Figures are limited to right pyramids, right prisms, right circular cylinders, right circular cones and spheres.	4A M5 Lesson 1: Analyze hierarchies and identify properties of quadrilaterals. 4A M5 Lesson 2: Identify three-dimensional figures and classify the figures into categories based on defining attributes. 4A M5 Lesson 17: Identify attributes and properties of right rectangular prisms.

Geometric Reasoning

MA.5.GR.2 Find the perimeter and area of rectangles with fractional or decimal side lengths.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.5.GR.2.1 Find the perimeter and area of a rectangle with fractional or decimal side lengths using visual models and formulas.	4A M5 Lesson 9: Find areas of square tiles with fraction side lengths by relating the tile to a unit square. 4A M5 Lesson 10: Organize, count, and represent a collection of square tiles. 4A M5 Lesson 11: Find the area of a rectangle with fraction side lengths by relating the rectangle to a unit square. 4A M5 Lesson 12: Find areas of rectangles with fraction side lengths by using multiplication. 4A M5 Lesson 15: Solve real-world problems involving areas of composite figures with mixed-number and decimal side lengths. 4A M5 Lesson 26: Solve word problems involving perimeter, area, and volume.

Geometric Reasoning

MA.5.GR.3 Solve problems involving the volume of right rectangular prisms.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.5.GR.3.1 Explore volume as an attribute of three-dimensional figures by packing them with unit cubes without gaps. Find the volume of a right rectangular prism with whole-number side lengths by counting unit cubes.	4A M5 Lesson 18: Find the volume of right rectangular prisms by packing with unit cubes and improvised units. 4A M5 Lesson 19: Compose and decompose right rectangular prisms to find their volume by using layers. 4A M5 Lesson 20: Interpret volume as filling. 4A M5 Lesson 21: Relate volumes of solids and liquid volume.
MA.5.GR.3.2 Find the volume of a right rectangular prism with whole-number side lengths using a visual model and a formula.	4A M5 Lesson 22: Find the volumes of right rectangular prisms by using the area of the base. 4A M5 Lesson 23: Find the volumes of right rectangular prisms by multiplying the edge lengths.
MA.5.GR.3.3 Solve real-world problems involving the volume of right rectangular prisms, including problems with an unknown edge length, with whole-number edge lengths using a visual model or a formula. Write an equation with a variable for the unknown to represent the problem.	4A M5 Lesson 24: Solve word problems involving volumes of right rectangular prisms. 4A M5 Lesson 25: Find the volumes of solid figures composed of right rectangular prisms. 4A M5 Lesson 26: Solve word problems involving perimeter, area, and volume.

Geometric Reasoning

MA.5.GR.4 Plot points and represent problems on the coordinate plane.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.5.GR.4.1 Identify the origin and axes in the coordinate system. Plot and label ordered pairs in the first quadrant of the coordinate plane.	4A M6 Lesson 6: Construct a coordinate system on a number line and in a plane. 4A M6 Lesson 7: Identify and plot points by using ordered pairs.
MA.5.GR.4.2 Represent mathematical and real-world problems by plotting points in the first quadrant of the coordinate plane and interpret coordinate values of points in the context of the situation.	4A M6 Lesson 8: Describe the distance and direction between points in the coordinate plane. 4A M6 Lesson 9: Draw symmetric figures in the coordinate plane. 4A M6 Lesson 10: Interpret graphs that represent real-world situations. 4A M6 Lesson 11: Plot data in the coordinate plane and analyze relationships. 4A M6 Lesson 12: Reason about visual patterns by using tables and graphs. 4A M6 Lesson 13: Reason about patterns in real-world situations.

Data Analysis and Probability

MA.5.DP.1 Collect, represent and interpret data and find the mean, mode, median or range of a data set.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.5.DP.1.1 Collect and represent numerical data, including fractional and decimal values, using tables, line graphs or line plots.	4A M2 Lesson 20: Collect and represent data on a line plot. 4A M6 Lesson 14: Interpret line graphs. 4A M6 Lesson 15: Collect and represent data on a line graph. 4A M6 Lesson 16: Collect and represent data on a line plot.

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of *Eureka Math²* Florida
MA.5.DP.1.2 Interpret numerical data, with whole-number values, represented with tables or line plots by determining the mean, mode, median or range.	4A M1 Lesson 40: Solve problems by using whole-number data from a line plot. 4A M1 Lesson 41: Determine the mean of a data set. 4A M1 Lesson 42: Interpret numerical data by finding the mean, median, mode, and range.

English Language Arts Expectations

English Language Arts Expectations	Aligned Components of *Eureka Math²* Florida
ELA.K12.EE.1.1 Cite evidence to explain and justify reasoning.	4A M1 Lesson 6: Multiply and divide by 10, 100, and 1,000 and identify patterns in the products and quotients. 4A M1 Lesson 9: Express metric measurements of length in terms of larger units. 4A M1 Lesson 14: Measure and convert liquid volume in customary units. 4A M1 Lesson 16: Multiply two-digit numbers by two-digit numbers by using the standard algorithm. 4A M1 Lesson 17: Solve multiplication word problems by using various methods. 4A M1 Lesson 24: Divide two- and three-digit numbers by one-digit numbers by using place value strategies. 4A M1 Lesson 28: Represent division by using partial quotients. 4A M1 Lesson 36: Divide three- and four-digit numbers by two-digit numbers. 4A M1 Lesson 40: Solve problems by using whole-number data from a line plot. 4A M2 Lesson 2: Add and subtract fractions with related units by using pictorial models to rename fractions. 4A M2 Lesson 3: Add and subtract fractions with related units by finding equivalent fractions numerically. 4A M2 Lesson 14: Solve problems by using data from a line plot. 4A M2 Lesson 16: Collect and represent data by using stem-and-leaf plots. 4A M2 Lesson 19: Collect, represent, and interpret data. 4A M3 Lesson 2: Multiply a whole number by a fraction by using the associative property. 4A M3 Lesson 3: Solve word problems involving multiplication of a whole number by a fraction.

English Language Arts Expectations	Aligned Components of *Eureka Math²* Florida
ELA.K12.EE.1.1 *continued*	4A M3 Lesson 13: Multiply fractions. 4A M3 Lesson 17: Reason about the size of quotients of whole numbers and unit fractions and quotients of unit fractions and whole numbers. 4A M3 Lesson 20: Determine and explain whether an equation involving operations with whole numbers is true or false. 4A M3 Lesson 24: Determine whether an equation involving multiplication and division with fractions is true or false and use the order of operations to evaluate expressions with fractions. 4A M4 Lesson 12: Compare decimal numbers to the thousandths place. 4A M4 Lesson 17: Add and subtract decimal numbers by using place value understanding. 4A M4 Lesson 26: Relate decimal-number multiplication to fraction multiplication. 4A M4 Lesson 37: Determine and explain whether an equation involving operations with decimals is true or false. 4A M5 Lesson 1: Analyze hierarchies and identify properties of quadrilaterals. 4A M5 Lesson 2: Identify three-dimensional figures and classify the figures into categories based on defining attributes. 4A M5 Lesson 4: Classify trapezoids and parallelograms based on their properties. 4A M5 Lesson 5: Classify rectangles and rhombuses based on their properties. 4A M5 Lesson 8: Classify quadrilaterals in a hierarchy based on properties. 4A M5 Lesson 17: Identify attributes and properties of right rectangular prisms. 4A M5 Lesson 19: Compose and decompose right rectangular prisms to find their volume by using layers. 4A M6 Lesson 1: Determine and express rules for number patterns. 4A M6 Lesson 10: Interpret graphs that represent real-world situations. 4A M6 Lesson 15: Collect and represent data on a line graph.
ELA.K12.EE.2.1 Read and comprehend grade-level complex texts proficiently.	4A M1 Lesson 10: Express metric measurements of mass and liquid volume in terms of smaller units. 4A M1 Lesson 15: Convert time units and solve time word problems where the change in time is unknown. 4A M1 Lesson 22: Divide two- and three-digit multiples of 10 by one-digit numbers. 4A M1 Lesson 25: Divide by using different strategies. 4A M1 Lesson 30: Find whole-number quotients and remainders. 4A M1 Lesson 31: Represent, estimate, and solve division word problems and interpret remainders. 4A M1 Lesson 32: Express a remainder as a fraction. 4A M1 Lesson 39: Solve word problems involving division.

English Language Arts Expectations	Aligned Components of *Eureka Math²* Florida
ELA.K12.EE.2.1 *continued*	4A M2 Lesson 1: Interpret a fraction as division. 4A M2 Lesson 6: Solve word problems involving addition and subtraction of fractions. 4A M2 Lesson 17: Determine and interpret the mode, median, and range of a given data set. 4A M3 Lesson 14: Divide a nonzero whole number by a unit fraction to find the number of groups and the size of a group. 4A M3 Lesson 18: Solve word problems involving fractions with multiplication and division. 4A M3 Lesson 19: Write, interpret, compare, and evaluate numerical expressions. 4A M3 Lesson 21: Solve multi-step word problems involving all four operations. 4A M3 Lesson 25: Solve multi-step word problems involving fractions and write equations with parentheses. 4A M4 Lesson 18: Solve word problems involving addition and subtraction of decimal numbers and money. 4A M4 Lesson 20: Solve multi-step word problems involving money by using decimal notation. 4A M4 Lesson 28: Divide decimal numbers to hundredths by two-digit whole numbers. 4A M4 Lesson 33: Solve multi-step word problems by using metric measurement conversion. 4A M5 Lesson 14: Solve mathematical problems involving areas of composite figures with mixed-number side lengths. 4A M5 Lesson 16: Solve multi-step word problems involving multiplication of mixed numbers. 4A M5 Lesson 24: Solve word problems involving volumes of right rectangular prisms. 4A M5 Lesson 26: Solve word problems involving perimeter, area, and volume. 4A M6 Lesson 3: Identify addition and subtraction relationships between corresponding inputs and outputs in tables. 4A M6 Lesson 8: Describe the distance and direction between points in the coordinate plane. 4A M6 Lesson 9: Draw symmetric figures in the coordinate plane. 4A M6 Lesson 11: Plot data in the coordinate plane and analyze relationships.
ELA.K12.EE.3.1 Make inferences to support comprehension.	4A M1 Lesson 13: Measure and convert weight in customary units. 4A M1 Lesson 19: Multiply two- and three-digit numbers by two-digit numbers by using the standard algorithm. 4A M1 Lesson 21: Multiply two multi-digit numbers by using the standard algorithm. 4A M1 Lesson 33: Solve multi-step word problems and assess the reasonableness of solutions. 4A M2 Lesson 5: Add and subtract fractions with unrelated units by finding equivalent fractions numerically. 4A M2 Lesson 21: Solve problems by using fractional data from a line plot.

English Language Arts Expectations	Aligned Components of *Eureka Math²* Florida
ELA.K12.EE.3.1 *continued*	4A M2 Lesson 22: Solve problems by equally redistributing a total amount. 4A M3 Lesson 7: Multiply a fraction by a whole number. 4A M3 Lesson 9: Convert smaller customary measurement units to larger measurement units. 4A M4 Lesson 7: Represent decimal numbers to the thousandths place in different forms. 4A M4 Lesson 13: Round decimal numbers to the nearest one, tenth, or hundredth. 4A M4 Lesson 25: Multiply decimal numbers to hundredths and two-digit whole numbers by using different methods. 4A M5 Lesson 12: Find areas of rectangles with fraction side lengths by using multiplication. 4A M5 Lesson 20: Interpret volume as filling. 4A M6 Lesson 13: Reason about patterns in real-world situations. 4A M6 Lesson 14: Interpret line graphs.
ELA.K12.EE.4.1 Use appropriate collaborative techniques and active listening skills when engaging in discussions in a variety of situations.	4A M1 Lesson 2: Describe relationships between measurements and units of money by using multiplicative comparison. 4A M1 Lesson 5: Relate adjacent place value units by using place value understanding. 4A M1 Lesson 7: Measure lengths by using different metric units. 4A M1 Lesson 12: Express measurements of length in terms of larger units. 4A M1 Lesson 18: Multiply two- and three-digit numbers by two-digit numbers by using the distributive property. 4A M1 Lesson 26: Apply place value strategies to divide thousands, hundreds, tens, and ones. 4A M1 Lesson 29: Choose and apply a method to divide multi-digit numbers. 4A M1 Lesson 41: Determine the mean of a data set. 4A M2 Lesson 8: Add mixed numbers with unrelated units. 4A M2 Lesson 10: Subtract mixed numbers from mixed numbers with related units. 4A M2 Lesson 11: Subtract mixed numbers from mixed numbers with unrelated units. 4A M3 Lesson 1: Decompose non-unit fractions into a product of a whole number and a unit fraction. 4A M3 Lesson 4: Multiply a whole number by a mixed number by using the distributive property. 4A M3 Lesson 12: Multiply fractions by fractions greater than 1. 4A M3 Lesson 22: Solve multi-step word problems involving the four operations. 4A M4 Lesson 1: Decompose 1 one and express tenths in fraction form and decimal form. 4A M4 Lesson 4: Write mixed numbers in decimal form with hundredths. 4A M4 Lesson 11: Use pictorial representations to compare decimal numbers to the hundredths place. 4A M4 Lesson 14: Round decimal numbers to any place value unit.

English Language Arts Expectations	Aligned Components of *Eureka Math²* Florida
ELA.K12.EE.4.1 *continued*	4A M4 Lesson 15: Apply fraction equivalence to add mixed numbers with tenths and hundredths. 4A M4 Lesson 16: Solve word problems with tenths and hundredths. 4A M4 Lesson 22: Subtract multi-digit numbers with decimals to the thousandths by using the standard algorithm. 4A M4 Lesson 24: Multiply decimal numbers to hundredths and two-digit whole numbers by using area models and vertical form. 4A M4 Lesson 27: Divide decimal numbers to hundredths by one-digit whole numbers and multiples of 10, 100, or $1{,}000$ by using unit form, place value understanding, and vertical form. 4A M4 Lesson 35: Convert customary measurements involving decimals. 4A M5 Lesson 6: Classify kites and squares based on their properties. 4A M5 Lesson 7: Identify quadrilaterals from given properties. 4A M5 Lesson 9: Find areas of square tiles with fraction side lengths by relating the tile to a unit square. 4A M5 Lesson 15: Solve real-world problems involving areas of composite figures with mixed-number and decimal side lengths. 4A M5 Lesson 18: Find the volume of right rectangular prisms by packing with unit cubes and improvised units. 4A M5 Lesson 21: Relate volumes of solids and liquid volume. 4A M6 Lesson 2: Determine and write expressions for number pattern rules. 4A M6 Lesson 4: Identify multiplication and division relationships between corresponding inputs and outputs in tables. 4A M6 Lesson 16: Collect and represent data on a line plot.
ELA.K12.EE.5.1 Use the accepted rules governing a specific format to create quality work.	4A M1 Lesson 1: Interpret multiplication as multiplicative comparison. 4A M1 Lesson 3: Demonstrate that a digit represents 10 times the value of what it represents in the place to its right. 4A M1 Lesson 4: Demonstrate that a digit represents $\frac{1}{10}$ as much as what it represents in the place to its left. 4A M1 Lesson 20: Multiply three- and four-digit numbers by three-digit numbers by using the standard algorithm. 4A M1 Lesson 35: Divide three-digit numbers by two-digit numbers in problems that result in one-digit quotients. 4A M1 Lesson 42: Interpret numerical data by finding the mean, median, mode, and range.

English Language Arts Expectations	Aligned Components of *Eureka Math²* Florida
ELA.K12.EE.5.1 *continued*	4A M2 Lesson 12: Solve word problems involving addition and subtraction of fractions and mixed numbers. 4A M2 Lesson 15: Represent data on a line plot. 4A M2 Lesson 18: Measure length to the nearest eighth inch and sixteenth inch. 4A M2 Lesson 20: Collect and represent data on a line plot. 4A M3 Lesson 10: Multiply fractions less than 1 pictorially. 4A M3 Lesson 16: Divide by whole numbers and unit fractions. 4A M3 Lesson 23: Compare and evaluate numerical expressions and create and solve one-step word problems involving fractions. 4A M3 Lesson 26: Evaluate expressions involving nested grouping symbols. 4A M4 Lesson 3: Decompose 1 one and express hundredths in fraction form and decimal form. 4A M4 Lesson 8: Compose and decompose decimals to the thousandths in multiple ways. 4A M4 Lesson 9: Relate the values of digits in a decimal number by using place value understanding. 4A M4 Lesson 21: Add multi-digit numbers with decimals to the thousandths by using the standard algorithm. 4A M4 Lesson 29: Relate division by 0.1 and 0.01 to division by a unit fraction. 4A M4 Lesson 32: Convert measurements and describe relationships between metric units. 4A M4 Lesson 36: Interpret and evaluate numerical expressions and solve real-world problems for given numerical expressions involving decimals. 4A M5 Lesson 3: Classify triangles into different categories based on attributes. 4A M5 Lesson 11: Find the area of a rectangle with fraction side lengths by relating the rectangle to a unit square. 4A M5 Lesson 22: Find the volumes of right rectangular prisms by using the area of the base. 4A M6 Lesson 6: Construct a coordinate system on a number line and in a plane. 4A M6 Lesson 7: Identify and plot points by using ordered pairs.
ELA.K12.EE.6.1 Use appropriate voice and tone when speaking or writing.	4A M1 Lesson 8: Express metric measurements of length in terms of smaller units. 4A M1 Lesson 11: Express measurements of length in terms of smaller units. 4A M1 Lesson 23: Divide two- and three-digit numbers by one-digit numbers by using an area model. 4A M1 Lesson 27: Connect pictorial representations of division to long division. 4A M1 Lesson 34: Divide two- and three-digit numbers by multiples of 10 and divide two-digit numbers by two-digit numbers in problems that result in one-digit quotients. 4A M1 Lesson 37: Divide multi-digit numbers by using the standard algorithm to find quotients with and without remainders.

English Language Arts Expectations	Aligned Components of *Eureka Math²* Florida
ELA.K12.EE.6.1 *continued*	4A M1 Lesson 38: Divide multi-digit numbers by using the standard algorithm and represent remainders as fractions. 4A M2 Lesson 4: Add and subtract fractions with unrelated units by finding equivalent fractions pictorially. 4A M2 Lesson 7: Add whole numbers and mixed numbers and add mixed numbers with related units. 4A M2 Lesson 9: Subtract whole numbers from mixed numbers and mixed numbers from whole numbers. 4A M2 Lesson 13: Determine and explain whether an equation involving addition and subtraction with fractions and mixed numbers is true or false. 4A M3 Lesson 5: Find fractions of a set and multiply a fraction less than 1 by a whole number. 4A M3 Lesson 6: Solve word problems involving multiplication of a fraction by a whole number. 4A M3 Lesson 11: Multiply unit fractions by fractions by making simpler problems. 4A M3 Lesson 15: Divide a unit fraction by a nonzero whole number. 4A M4 Lesson 2: Represent tenths as a place value unit and write mixed numbers in decimal form with tenths. 4A M4 Lesson 5: Represent decimal numbers in expanded form. 4A M4 Lesson 6: Model and relate decimal place value units to thousandths. 4A M4 Lesson 10: Multiply and divide decimal numbers by 10, 100, and $1{,}000$. 4A M4 Lesson 19: Add and subtract multi-digit numbers with decimals to the hundredths by using the standard algorithm. 4A M4 Lesson 23: Multiply decimal numbers to hundredths and one-digit whole numbers or multiples of 10, 100, or $1{,}000$ by using different models and written methods. 4A M4 Lesson 30: Divide decimal numbers by decimal numbers, resulting in whole-number quotients. 4A M4 Lesson 31: Reason about quotients when dividing with decimal numbers. 4A M4 Lesson 34: Convert metric measurements involving decimals. 4A M5 Lesson 10: Organize, count, and represent a collection of square tiles. 4A M5 Lesson 13: Multiply mixed numbers. 4A M5 Lesson 23: Find the volumes of right rectangular prisms by multiplying the edge lengths. 4A M5 Lesson 25: Find the volumes of solid figures composed of right rectangular prisms. 4A M6 Lesson 5: Identify mixed-operation relationships between corresponding inputs and outputs in tables. 4A M6 Lesson 12: Reason about visual patterns by using tables and graphs.

English Language Development Standards

ELD standards are integrated into all Eureka Math² Florida lessons. The list below provides exemplars from each module.

English Language Development Standards	Aligned Components of *Eureka Math²* Florida
ELD.K12.ELL.MA.1 English language learners communicate for information, ideas and concepts necessary for academic success in the content area of Mathematics.	4A M1 Lesson 5: Relate adjacent place value units by using place value understanding. 4A M1 Lesson 17: Solve multiplication word problems by using various methods. 4A M2 Lesson 6: Solve word problems involving addition and subtraction of fractions. 4A M2 Lesson 8: Add mixed numbers with unrelated units. 4A M3 Lesson 1: Decompose non-unit fractions into a product of a whole number and a unit fraction. 4A M3 Lesson 9: Convert smaller customary measurement units to larger measurement units. 4A M4 Lesson 11: Use pictorial representations to compare decimal numbers to the hundredths place. 4A M4 Lesson 14: Round decimal numbers to any place value unit. 4A M5 Lesson 3: Classify triangles into different categories based on attributes. 4A M5 Lesson 9: Find areas of square tiles with fraction side lengths by relating the tile to a unit square. 4A M5 Lesson 20: Interpret volume as filling. 4A M6 Lesson 2: Determine and write expressions for number pattern rules.