



Grade 3 Accelerated | Florida's B.E.S.T. Standards for Mathematics and Mathematical Thinking and Reasoning Standards Correlation to *Eureka Math*² Florida

This resource demonstrates the alignment of *Eureka Math*² 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 Math*² Florida

<p>MA.K12.MTR.1.1</p> <p>Actively participate in effortful learning both individually and collectively.</p>	<p>3A M1 Lesson 4: Explore measurement and partitive division by modeling concretely and drawing.</p> <p>3A M1 Lesson 21: Solve one-step word problems involving multiplication and division.</p> <p>3A M2 Lesson 5: Use all four operations to solve one-step word problems using liquid volume and metric units.</p> <p>3A M2 Lesson 14: Plot, order, and compare within 1,000,000 on a scaled number line.</p> <p>3A M2 Lesson 18: Find 1, 10, and 100 thousand more than and less than a given number.</p> <p>3A M2 Lesson 30: Solve two-step word problems.</p> <p>3A M2 Lesson 34: Solve two-step subtraction word problems.</p> <p>3A M3 Lesson 4: Identify and complete patterns with input-output tables.</p> <p>3A M3 Lesson 11: Use the break apart to divide strategy with units of 11 and 12.</p> <p>3A M4 Lesson 12: Solve historical math problems involving area.</p> <p>3A M5 Lesson 9: Identify and measure with fractions on a ruler and measure liquid volume.</p> <p>3A M5 Lesson 15: Compare fractions with like units or the same numerators by using a number line.</p> <p>3A M5 Lesson 26: Generate a common numerator or denominator to compare fractions.</p> <p>3A M5 Lesson 28: Subtract a fraction from a whole number.</p> <p>3A M5 Lesson 33: Apply fraction equivalence to add tenths and hundredths.</p> <p>3A M6 Lesson 20: Solve real-world problems involving perimeter and unknown measurements by using all four operations.</p> <p>3A M6 Lesson 27: Generate categorical data and represent it by using a scaled pictograph.</p> <p>3A M6 Lesson 29: Interpret data represented in a circle graph and solve problems.</p>
<p>MA.K12.MTR.2.1</p> <p>Demonstrate understanding by representing problems in multiple ways.</p>	<p>3A M1 Lesson 1: Interpret equal groups, arrays, and tape diagrams as multiplication.</p> <p>3A M1 Lesson 5: Model measurement and partitive division by drawing equal groups and arrays.</p> <p>3A M1 Lesson 9: Demonstrate the distributive property using units of 2, 3, 4, 5, and 10.</p> <p>3A M1 Lesson 13: Use the distributive property to break apart multiplication problems into known facts.</p> <p>3A M1 Lesson 15: Determine and explain whether an equation involving multiplication or division is true or false.</p> <p>3A M1 Lesson 18: Count by units of 6 and 8 to multiply and divide by using arrays.</p> <p>3A M2 Lesson 7: Write numbers to 10,000 in standard form, expanded form, and word form.</p> <p>3A M2 Lesson 8: Write numbers to 1,000,000 in unit form and expanded form by using place value structure.</p> <p>3A M2 Lesson 26: Use place value understanding and simplifying strategies to subtract.</p>

Mathematical Thinking and Reasoning Standards

Aligned Components of *Eureka Math*² Florida

<p>MA.K12.MTR.2.1 <i>continued</i></p>	<p>3A M3 Lesson 16: Multiply by using an area model and the distributive property. 3A M3 Lesson 23: Apply place value strategies to multiply two-digit numbers by two-digit numbers. 3A M4 Lesson 6: Multiply side lengths to find the area of a rectangle and use a formula. 3A M4 Lesson 10: Reason to find the area of composite shapes by using grids. 3A M5 Lesson 5: Identify and represent a whole as two parts: a unit fraction and a non-unit fraction. 3A M5 Lesson 7: Locate and represent fractions from 0 to 1 on a number line. 3A M5 Lesson 10: Decompose fractions into a sum of unit fractions. 3A M5 Lesson 21: Rename fractions as a sum of equivalent smaller unit fractions. 3A M5 Lesson 22: Generate equivalent fractions with smaller units. 3A M5 Lesson 34: Apply fraction equivalence to add mixed numbers with tenths and hundredths. 3A M6 Lesson 10: Draw quadrilaterals with specified attributes. 3A M6 Lesson 18: Find unknown angle measures within a decomposed angle of up to 180°. 3A M6 Lesson 25: Apply area and perimeter formulas to solve problems.</p>
<p>MA.K12.MTR.3.1 Complete tasks with mathematical fluency.</p>	<p>3A M1 Lesson 6: Represent and solve division word problems using drawings and equations. 3A M1 Lesson 17: Represent and solve two-step word problems using drawings and equations. 3A M1 Lesson 20: Model the associative property as a strategy to multiply and explore parentheses in expressions with different operations. 3A M2 Lesson 4: Measure liquid volume using a vertical number line and connect composition of 1 liter to composition of 1 thousand. 3A M2 Lesson 12: Plot, order, and compare numbers to 10,000. 3A M2 Lesson 13: Compare numbers within 1,000,000 by using $>$, $=$, and $<$. 3A M2 Lesson 15: Read temperatures on a thermometer using number line concepts. 3A M2 Lesson 19: Round four-digit numbers to the nearest thousand, hundred, and ten. 3A M2 Lesson 21: Round multi-digit numbers to any place. 3A M2 Lesson 22: Estimate sums and differences by rounding. 3A M2 Lesson 25: Use place value understanding and simplifying strategies to add. 3A M2 Lesson 28: Subtract measurements using the standard algorithm to decompose larger units twice. 3A M2 Lesson 33: Estimate by rounding to assess the reasonableness of differences. 3A M3 Lesson 18: Solve multiplication word problems. 3A M3 Lesson 21: Multiply by using various recording methods in vertical form.</p>

Mathematical Thinking and Reasoning Standards

Aligned Components of *Eureka Math*² Florida

<p>MA.K12.MTR.3.1 <i>continued</i></p>	<p>3A M3 Lesson 22: Multiply two-digit numbers by two-digit multiples of 10. 3A M3 Lesson 24: Multiply with four partial products. 3A M4 Lesson 1: Recognize area as an attribute of polygons and use tiles to find their areas. 3A M4 Lesson 2: Compose rectangles to compare areas. 3A M4 Lesson 5: Determine the area of a rectangle by using side lengths. 3A M5 Lesson 11: Decompose fractions into a sum of fractions. 3A M5 Lesson 16: Plot and order fractional numbers with the same or related denominators. 3A M5 Lesson 18: Compare fractions with related denominators or related numerators. 3A M5 Lesson 20: Reason to find fractions equivalent to whole numbers by using patterns and number lines. 3A M5 Lesson 23: Generate equivalent fractions with larger units. 3A M5 Lesson 27: Add and subtract fractions with like units. 3A M5 Lesson 31: Subtract a fraction from a mixed number. 3A M6 Lesson 3: Solve time word problems where the start time is unknown. 3A M6 Lesson 7: Identify and draw points, lines, line segments, and rays. 3A M6 Lesson 8: Identify, define, and draw perpendicular lines. 3A M6 Lesson 9: Identify, define, and draw parallel lines. 3A M6 Lesson 12: Identify and draw right, acute, obtuse, and straight angles. 3A M6 Lesson 16: Use a protractor to draw angles up to 180°.</p>
<p>MA.K12.MTR.4.1 Engage in discussions that reflect on the mathematical thinking of self and others.</p>	<p>3A M1 Lesson 2: Interpret the meaning of factors as number of groups or number in each group. 3A M1 Lesson 7: Demonstrate the commutative property of multiplication by using units of 2 and 4 and the array model. 3A M1 Lesson 14: Break apart division problems into known facts. 3A M1 Lesson 19: Use the break apart to divide strategy with units of 6 and 8. 3A M2 Lesson 9: Write numbers to 1,000,000 in standard form and word form. 3A M2 Lesson 20: Round to the nearest ten thousand and hundred thousand. 3A M2 Lesson 29: Subtract measurements using the standard algorithm to decompose larger units across two place values. 3A M2 Lesson 36: Determine and explain whether an equation involving addition and/or subtraction is true or false. 3A M3 Lesson 2: Apply strategies and identify patterns to multiply with units of 9.</p>

Mathematical Thinking and Reasoning Standards

Aligned Components of *Eureka Math*² Florida

<p>MA.K12.MTR.4.1 <i>continued</i></p>	<p>3A M3 Lesson 6: Find factor pairs for numbers up to 144 and use factors to identify numbers as prime or composite.</p> <p>3A M3 Lesson 7: Use division and the associative property of multiplication to find factors.</p> <p>3A M3 Lesson 9: Explore properties of prime and composite numbers up to 100 by using multiples.</p> <p>3A M3 Lesson 10: Use the distributive property, arrays, and tape diagrams to multiply and divide with units of 11 and 12.</p> <p>3A M3 Lesson 14: Multiply by multiples of 100 and 1,000 and find the product of two multiples of 10.</p> <p>3A M3 Lesson 17: Multiply by applying the distributive property and write equations.</p> <p>3A M3 Lesson 26: Multiply three-digit numbers by two-digit numbers by using the distributive property.</p> <p>3A M4 Lesson 4: Tile and draw rows and columns to complete a rectangular array and determine its area.</p> <p>3A M5 Lesson 3: Identify fractions of a set.</p> <p>3A M5 Lesson 25: Generate equivalent fractions for fractions greater than 1 and generate equivalent mixed numbers.</p> <p>3A M6 Lesson 1: Count by fives and ones on the number line as a strategy for telling time on the clock.</p> <p>3A M6 Lesson 6: Compare and classify quadrilaterals.</p> <p>3A M6 Lesson 15: Use 180° protractors to measure angles.</p> <p>3A M6 Lesson 22: Find unknown side lengths in area and perimeter problems.</p>
<p>MA.K12.MTR.5.1</p> <p>Use patterns and structure to help understand and connect mathematical concepts.</p>	<p>3A M1 Lesson 8: Demonstrate the distributive property using a unit of 4.</p> <p>3A M2 Lesson 2: Use measurement data to create a line plot.</p> <p>3A M2 Lesson 6: Organize, count, and represent a collection of objects.</p> <p>3A M2 Lesson 10: Compose and decompose four-digit numbers by using place value understanding.</p> <p>3A M2 Lesson 11: Name numbers by using place value understanding.</p> <p>3A M2 Lesson 16: Round two- and three-digit numbers to the nearest ten on the vertical number line.</p> <p>3A M2 Lesson 17: Round to the nearest hundred on the vertical number line.</p> <p>3A M2 Lesson 23: Explore multi-digit division by using estimation, rounding, and place value.</p> <p>3A M3 Lesson 1: Identify, extend, and create numerical patterns.</p> <p>3A M3 Lesson 3: Reason about and explain patterns of multiplication and division with units of 1 and 0.</p> <p>3A M3 Lesson 5: Determine whether a whole number is even or odd and whether it is a multiple of another number.</p>

Mathematical Thinking and Reasoning Standards

Aligned Components of *Eureka Math*² Florida

<p>MA.K12.MTR.5.1 <i>continued</i></p>	<p>3A M3 Lesson 8: Recognize that a number is a multiple of each of its factors.</p> <p>3A M3 Lesson 12: Multiply by multiples of 10 and 100 by using place value strategies and the associative property.</p> <p>3A M3 Lesson 15: Multiply with regrouping by using place value strategies and the distributive property.</p> <p>3A M3 Lesson 19: Apply place value strategies to multiply three- and four-digit numbers by one-digit numbers.</p> <p>3A M3 Lesson 20: Represent multiplication by using partial products.</p> <p>3A M3 Lesson 25: Multiply with two partial products.</p> <p>3A M4 Lesson 3: Relate side lengths to the number of tiles on a side.</p> <p>3A M4 Lesson 7: Compose large rectangles and reason about their areas.</p> <p>3A M4 Lesson 11: Reason to find the area of composite shapes by using rectangles.</p> <p>3A M5 Lesson 4: Build non-unit fractions less than 1 from unit fractions.</p> <p>3A M5 Lesson 8: Identify equivalent fractions from 0 to 1 with tape diagrams and on number lines.</p> <p>3A M5 Lesson 13: Decompose fractions greater than 1 and mixed numbers in multiple ways.</p> <p>3A M5 Lesson 14: Represent fractions greater than 1 on a number line and identify fractions equivalent to whole numbers.</p> <p>3A M5 Lesson 19: Identify fractions equivalent to whole numbers by using number lines.</p> <p>3A M5 Lesson 24: Represent equivalent fractions by using tape diagrams, number lines, and multiplication or division.</p> <p>3A M5 Lesson 30: Add fractions and mixed numbers.</p> <p>3A M6 Lesson 4: Solve time word problems where the change in time is unknown.</p> <p>3A M6 Lesson 11: Recognize, identify, and draw lines of symmetry.</p> <p>3A M6 Lesson 13: Explore angles as fractional turns through a circle.</p> <p>3A M6 Lesson 14: Use a circular protractor to recognize a 1° angle as a turn through $\frac{1}{360}$ of a circle.</p> <p>3A M6 Lesson 17: Find unknown angle measures within right and straight angles.</p> <p>3A M6 Lesson 24: Solve problems to determine the areas of rectangles with the same perimeter.</p> <p>3A M6 Lesson 28: Solve problems by creating scaled pictographs and scaled bar graphs.</p>
---	---

Mathematical Thinking and Reasoning Standards

Aligned Components of *Eureka Math*² Florida

<p>MA.K12.MTR.6.1</p> <p>Assess the reasonableness of solutions.</p>	<p>3A M1 Lesson 16: Represent and solve two-step word problems using the properties of multiplication.</p> <p>3A M2 Lesson 1: Use all four operations to solve one-step word problems involving weight.</p> <p>3A M2 Lesson 27: Add measurements using the standard algorithm to compose larger units twice.</p> <p>3A M2 Lesson 31: Estimate by rounding to assess the reasonableness of sums.</p> <p>3A M3 Lesson 13: Solve two-step word problems involving multiplication of single-digit factors and multiples of 10 and 100.</p> <p>3A M4 Lesson 8: Decompose to find the total area of a rectangle.</p> <p>3A M5 Lesson 1: Partition a whole into equal parts and name the fractional unit.</p> <p>3A M5 Lesson 2: Partition a whole into fractional units and write fractions in fraction form.</p> <p>3A M5 Lesson 6: Compare fractions less than 1 with the same numerator by reasoning about their size.</p> <p>3A M5 Lesson 17: Compare fractions by using the benchmarks 0, $\frac{1}{2}$, and 1.</p> <p>3A M5 Lesson 29: Solve addition and subtraction word problems and estimate the reasonableness of the answers.</p> <p>3A M6 Lesson 21: Solve real-world problems involving perimeter and area.</p>
<p>MA.K12.MTR.7.1</p> <p>Apply mathematics to real-world contexts.</p>	<p>3A M1 Lesson 3: Represent and solve multiplication word problems by using drawings and equations.</p> <p>3A M1 Lesson 10: Model division as an unknown factor problem.</p> <p>3A M1 Lesson 11: Model the quotient as the size of each group or the number of groups by using units of 2, 3, 4, 5, and 10.</p> <p>3A M1 Lesson 12: Represent and solve measurement and partitive division word problems.</p> <p>3A M2 Lesson 3: Create a line plot to represent data and ask and answer questions.</p> <p>3A M2 Lesson 24: Collect and represent data in a scaled bar graph and solve related problems.</p> <p>3A M2 Lesson 32: Solve two-step addition word problems.</p> <p>3A M2 Lesson 35: Solve two-step word problems by using addition and subtraction.</p> <p>3A M3 Lesson 26: Multiply three-digit numbers by two-digit numbers by using the distributive property.</p> <p>3A M4 Lesson 9: Apply area understanding to real-world situations.</p> <p>3A M5 Lesson 12: Represent fractions by using various fraction models.</p> <p>3A M5 Lesson 32: Subtract a mixed number from a mixed number.</p> <p>3A M6 Lesson 2: Solve time word problems where the end time is unknown.</p> <p>3A M6 Lesson 5: Solve time word problems and use time data to create a line plot.</p>

Mathematical Thinking and Reasoning Standards

Aligned Components of *Eureka Math*² Florida

<p>MA.K12.MTR.7.1 <i>continued</i></p>	<p>3A M6 Lesson 19: Investigate and use formulas for the perimeter of a rectangle. 3A M6 Lesson 23: Solve problems to determine the perimeters of rectangles with the same area. 3A M6 Lesson 26: Measure temperature and create a line plot.</p>
---	---

Number Sense and Operations

MA.3.NSO.1 Understand the place value of four-digit numbers.

Florida's B.E.S.T. Standards for Mathematics

Aligned Components of *Eureka Math*² Florida

<p>MA.3.NSO.1 Understand the place value of four-digit numbers.</p>	<p>3A M2 Lesson 6: Organize, count, and represent a collection of objects. 3A M2 Lesson 7: Write numbers to 10,000 in standard form, expanded form, and word form. 3A M2 Lesson 10: Compose and decompose four-digit numbers by using place value understanding.</p>
<p>MA.3.NSO.1.2 Compose and decompose four-digit numbers in multiple ways using thousands, hundreds, tens and ones. Demonstrate each composition or decomposition using objects, drawings and expressions or equations.</p>	<p>3A M2 Lesson 4: Measure liquid volume using a vertical number line and connect composition of 1 liter to composition of 1 thousand. 3A M2 Lesson 10: Compose and decompose four-digit numbers by using place value understanding.</p>
<p>MA.3.NSO.1.3 Plot, order and compare whole numbers up to 10,000.</p>	<p>3A M2 Lesson 12: Plot, order, and compare numbers to 10,000.</p>
<p>MA.3.NSO.1.4 Round whole numbers from 0 to 1,000 to the nearest 10 or 100.</p>	<p>3A M2 Lesson 15: Read temperatures on a thermometer using number line concepts. 3A M2 Lesson 16: Round two- and three-digit numbers to the nearest ten on the vertical number line. 3A M2 Lesson 17: Round to the nearest hundred on the vertical number line. 3A M2 Lesson 22: Estimate sums and differences by rounding.</p>

Number Sense and Operations

MA.3.NSO.2 Add and subtract multi-digit whole numbers. Build an understanding of multiplication and division operations.

Florida's B.E.S.T. Standards for Mathematics

Aligned Components of *Eureka Math*² Florida

<p>MA.3.NSO.2.1</p> <p>Add and subtract multi-digit whole numbers including using a standard algorithm with procedural fluency.</p>	<p>3A M2 Lesson 22: Estimate sums and differences by rounding.</p> <p>3A M2 Lesson 25: Use place value understanding and simplifying strategies to add.</p> <p>3A M2 Lesson 26: Use place value understanding and simplifying strategies to subtract.</p> <p>3A M2 Lesson 27: Add measurements using the standard algorithm to compose larger units twice.</p> <p>3A M2 Lesson 28: Subtract measurements using the standard algorithm to decompose larger units twice.</p> <p>3A M2 Lesson 29: Subtract measurements using the standard algorithm to decompose larger units across two place values.</p>
<p>MA.3.NSO.2.2</p> <p>Explore multiplication of two whole numbers with products from 0 to 144, and related division facts</p>	<p>3A M1 Lesson 1: Interpret equal groups, arrays, and tape diagrams as multiplication.</p> <p>3A M1 Lesson 2: Interpret the meaning of factors as number of groups or number in each group.</p> <p>3A M1 Lesson 4: Explore measurement and partitive division by modeling concretely and drawing.</p> <p>3A M1 Lesson 5: Model measurement and partitive division by drawing equal groups and arrays.</p> <p>3A M1 Lesson 6: Represent and solve division word problems using drawings and equations.</p> <p>3A M1 Lesson 7: Demonstrate the commutative property of multiplication by using units of 2 and 4 and the array model.</p> <p>3A M1 Lesson 10: Model division as an unknown factor problem.</p> <p>3A M1 Lesson 11: Model the quotient as the size of each group or the number of groups by using units of 2, 3, 4, 5, and 10.</p> <p>3A M1 Lesson 12: Represent and solve measurement and partitive division word problems.</p> <p>3A M3 Lesson 3: Reason about and explain patterns of multiplication and division with units of 1 and 0.</p> <p>3A M3 Lesson 11: Use the break apart to divide strategy with units of 11 and 12.</p>
<p>MA.3.NSO.2.3</p> <p>Multiply a one-digit whole number by a multiple of 10, up to 90, or a multiple of 100, up to 900, with procedural reliability.</p>	<p>3A M3 Lesson 12: Multiply by multiples of 10 and 100 by using place value strategies and the associative property.</p> <p>3A M3 Lesson 13: Solve two-step word problems involving multiplication of single-digit factors and multiples of 10 and 100.</p>

**Florida's B.E.S.T. Standards
for Mathematics**

Aligned Components of *Eureka Math*² Florida

<p>MA.3.NSO.2.4</p> <p>Multiply two whole numbers from 0 to 12 and divide using related facts with procedural reliability.</p>	<p>3A M1 Lesson 8: Demonstrate the distributive property using a unit of 4.</p> <p>3A M1 Lesson 9: Demonstrate the distributive property using units of 2, 3, 4, 5, and 10.</p> <p>3A M1 Lesson 13: Use the distributive property to break apart multiplication problems into known facts.</p> <p>3A M1 Lesson 14: Break apart division problems into known facts.</p> <p>3A M1 Lesson 16: Represent and solve two-step word problems using the properties of multiplication.</p> <p>3A M1 Lesson 17: Represent and solve two-step word problems using drawings and equations.</p> <p>3A M3 Lesson 2: Apply strategies and identify patterns to multiply with units of 9.</p> <p>3A M3 Lesson 4: Identify and complete patterns with input-output tables.</p> <p>3A M3 Lesson 10: Use the distributive property, arrays, and tape diagrams to multiply and divide with units of 11 and 12.</p>
---	--

Algebraic Reasoning

MA.3.AR.1 Solve multiplication and division problems.

**Florida's B.E.S.T. Standards
for Mathematics**

Aligned Components of *Eureka Math*² Florida

<p>MA.3.AR.1.1</p> <p>Apply the distributive property to multiply a one-digit number and two-digit number. Apply properties of multiplication to find a product of one-digit whole numbers.</p>	<p>3A M1 Lesson 7: Demonstrate the commutative property of multiplication by using units of 2 and 4 and the array model.</p> <p>3A M1 Lesson 8: Demonstrate the distributive property using a unit of 4.</p> <p>3A M1 Lesson 9: Demonstrate the distributive property using units of 2, 3, 4, 5, and 10.</p> <p>3A M1 Lesson 13: Use the distributive property to break apart multiplication problems into known facts.</p> <p>3A M1 Lesson 18: Count by units of 6 and 8 to multiply and divide by using arrays.</p> <p>3A M1 Lesson 19: Use the break apart to divide strategy with units of 6 and 8.</p> <p>3A M1 Lesson 20: Model the associative property as a strategy to multiply and explore parentheses in expressions with different operations.</p> <p>3A M3 Lesson 2: Apply strategies and identify patterns to multiply with units of 9.</p> <p>3A M3 Lesson 10: Use the distributive property, arrays, and tape diagrams to multiply and divide with units of 11 and 12.</p>
--	--

**Florida's B.E.S.T. Standards
for Mathematics**

Aligned Components of *Eureka Math*² Florida

<p>MA.3.AR.1.1 <i>continued</i></p>	<p>3A M3 Lesson 12: Multiply by multiples of 10 and 100 by using place value strategies and the associative property. 3A M4 Lesson 7: Compose large rectangles and reason about their areas. 3A M4 Lesson 8: Decompose to find the total area of a rectangle. 3A M4 Lesson 9: Apply area understanding to real-world situations.</p>
<p>MA.3.AR.1.2 Solve one- and two-step real-world problems involving any of four operations with whole numbers.</p>	<p>3A M1 Lesson 3: Represent and solve multiplication word problems by using drawings and equations. 3A M1 Lesson 5: Model measurement and partitive division by drawing equal groups and arrays. 3A M1 Lesson 6: Represent and solve division word problems using drawings and equations. 3A M1 Lesson 11: Model the quotient as the size of each group or the number of groups by using units of 2, 3, 4, 5, and 10. 3A M1 Lesson 12: Represent and solve measurement and partitive division word problems. 3A M1 Lesson 16: Represent and solve two-step word problems using the properties of multiplication. 3A M1 Lesson 17: Represent and solve two-step word problems using drawings and equations. 3A M1 Lesson 18: Count by units of 6 and 8 to multiply and divide by using arrays. 3A M1 Lesson 21: Solve one-step word problems involving multiplication and division. 3A M2 Lesson 30: Solve two-step word problems. 3A M3 Lesson 10: Use the distributive property, arrays, and tape diagrams to multiply and divide with units of 11 and 12. 3A M3 Lesson 13: Solve two-step word problems involving multiplication of single-digit factors and multiples of 10 and 100.</p>

Algebraic Reasoning

MA.3.AR.3 Identify numerical patterns, including multiplicative patterns.

**Florida's B.E.S.T. Standards
for Mathematics**

Aligned Components of *Eureka Math*² Florida

<p>MA.3.AR.3.1 Determine and explain whether a whole number from 1 to 1,000 is even or odd.</p>	<p>3A M3 Lesson 5: Determine whether a whole number is even or odd and whether it is a multiple of another number.</p>
---	--

**Florida's B.E.S.T. Standards
for Mathematics**

Aligned Components of *Eureka Math*² Florida

<p>MA.3.AR.3.2</p> <p>Determine whether a whole number from 1 to 144 is a multiple of a given one-digit number.</p>	<p>3A M3 Lesson 5: Determine whether a whole number is even or odd and whether it is a multiple of another number.</p>
<p>MA.3.AR.3.3</p> <p>Identify, create and extend numerical patterns.</p>	<p>3A M3 Lesson 3: Reason about and explain patterns of multiplication and division with units of 1 and 0. 3A M3 Lesson 4: Identify and complete patterns with input-output tables.</p>

Measurement

MA.3.M.1 Measure attributes of objects and solve problems involving measurement.

**Florida's B.E.S.T. Standards
for Mathematics**

Aligned Components of *Eureka Math*² Florida

<p>MA.3.M.1.1</p> <p>Select and use appropriate tools to measure the length of an object, the volume of liquid within a beaker and temperature.</p>	<p>3A M3 Lesson 3: Reason about and explain patterns of multiplication and division with units of 1 and 0. 3A M3 Lesson 4: Identify and complete patterns with input-output tables.</p>
<p>MA.3.M.1.2</p> <p>Solve real-world problems involving any of the four operations with whole-number lengths, masses, weights, temperatures or liquid volumes.</p>	<p>3A M2 Lesson 1: Use all four operations to solve one-step word problems involving weight. 3A M2 Lesson 5: Use all four operations to solve one-step word problems using liquid volume and metric units. 3A M2 Lesson 15: Read temperatures on a thermometer using number line concepts.</p>

Measurement

MA.3.M.2 Tell and write time and solve problems involving time.

Florida’s B.E.S.T. Standards for Mathematics	Aligned Components of <i>Eureka Math</i> ² Florida
<p>MA.3.M.2.1</p> <p>Using analog and digital clocks tell and write time to the nearest minute using a.m. and p.m. appropriately.</p>	<p>3A M6 Lesson 1: Count by fives and ones on the number line as a strategy for telling time on the clock.</p>
<p>MA.3.M.2.2</p> <p>Solve one- and two-step real-world problems involving elapsed time.</p>	<p>3A M6 Lesson 2: Solve time word problems where the end time is unknown. 3A M6 Lesson 3: Solve time word problems where the start time is unknown. 3A M6 Lesson 4: Solve time word problems where the change in time is unknown. 3A M6 Lesson 5: Solve time word problems and use time data to create a line plot.</p>

Fractions

MA.3.FR.1 Understand fractions as numbers and represent fractions.

Florida’s B.E.S.T. Standards for Mathematics	Aligned Components of <i>Eureka Math</i> ² Florida
<p>MA.3.FR.1.1</p> <p>Represent and interpret unit fractions in the form $\frac{1}{n}$ as the quantity formed by one part when a whole is partitioned into n equal parts.</p>	<p>3A M5 Lesson 1: Partition a whole into equal parts and name the fractional unit. 3A M5 Lesson 2: Partition a whole into fractional units and write fractions in fraction form. 3A M5 Lesson 3: Identify fractions of a set. 3A M5 Lesson 4: Build non-unit fractions less than 1 from unit fractions. 3A M5 Lesson 5: Identify and represent a whole as two parts: a unit fraction and a non-unit fraction. 3A M5 Lesson 6: Compare fractions less than 1 with the same numerator by reasoning about their size. 3A M5 Lesson 7: Locate and represent fractions from 0 to 1 on a number line.</p>

**Florida's B.E.S.T. Standards
for Mathematics**

Aligned Components of *Eureka Math*² Florida

<p>MA.3.FR.1.2</p> <p>Represent and interpret fractions, including fractions greater than one, in the form of $\frac{m}{n}$ as the result of adding the unit fraction $\frac{1}{n}$ to itself m times.</p>	<p>3A M5 Lesson 4: Build non-unit fractions less than 1 from unit fractions. 3A M5 Lesson 5: Identify and represent a whole as two parts: a unit fraction and a non-unit fraction. 3A M5 Lesson 6: Compare fractions less than 1 with the same numerator by reasoning about their size. 3A M5 Lesson 7: Locate and represent fractions from 0 to 1 on a number line. 3A M5 Lesson 9: Identify and measure with fractions on a ruler and measure liquid volume.</p>
<p>MA.3.FR.1.3</p> <p>Read and write fractions, including fractions greater than one, using standard form, numeral-word form and word form.</p>	<p>3A M5 Lesson 1: Partition a whole into equal parts and name the fractional unit. 3A M5 Lesson 2: Partition a whole into fractional units and write fractions in fraction form. 3A M5 Lesson 3: Identify fractions of a set. 3A M5 Lesson 15: Compare fractions with like units or the same numerators by using a number line. 3A M5 Lesson 20: Reason to find fractions equivalent to whole numbers by using patterns and number lines.</p>

Fractions

MA.3.FR.2 Order and compare fractions and identify equivalent fractions.

**Florida's B.E.S.T. Standards
for Mathematics**

Aligned Components of *Eureka Math*² Florida

<p>MA.3.FR.2.1</p> <p>Plot, order and compare fractional numbers with the same numerator or the same denominator.</p>	<p>3A M5 Lesson 6: Compare fractions less than 1 with the same numerator by reasoning about their size. 3A M5 Lesson 7: Locate and represent fractions from 0 to 1 on a number line. 3A M5 Lesson 14: Represent fractions greater than 1 on a number line and identify fractions equivalent to whole numbers. 3A M5 Lesson 15: Compare fractions with like units or the same numerators by using a number line. 3A M5 Lesson 16: Plot and order fractional numbers with the same or related denominators.</p>
--	---

**Florida's B.E.S.T. Standards
for Mathematics**

Aligned Components of *Eureka Math*² Florida

<p>MA.3.FR.2.2</p> <p>Identify equivalent fractions and explain why they are equivalent.</p>	<p>3A M5 Lesson 7: Locate and represent fractions from 0 to 1 on a number line. 3A M5 Lesson 8: Identify equivalent fractions from 0 to 1 with tape diagrams and on number lines. 3A M5 Lesson 10: Decompose fractions into a sum of unit fractions. 3A M5 Lesson 16: Plot and order fractional numbers with the same or related denominators. 3A M5 Lesson 19: Identify fractions equivalent to whole numbers by using number lines.</p>
---	---

Geometric Reasoning

MA.3.GR.1 Describe and identify relationships between lines and classify quadrilaterals.

**Florida's B.E.S.T. Standards
for Mathematics**

Aligned Components of *Eureka Math*² Florida

<p>MA.3.GR.1.1</p> <p>Describe and draw points, lines, line segments, rays, intersecting lines, perpendicular lines and parallel lines. Identify these in two-dimensional figures.</p>	<p>3A M6 Lesson 7: Identify and draw points, lines, line segments, and rays. 3A M6 Lesson 8: Identify, define, and draw perpendicular lines. 3A M6 Lesson 9: Identify, define, and draw parallel lines.</p>
<p>MA.3.GR.1.2</p> <p>Identify and draw quadrilaterals based on their defining attributes. Quadrilaterals include parallelograms, rhombi, rectangles, squares and trapezoids.</p>	<p>3A M4 Lesson 3: Relate side lengths to the number of tiles on a side. 3A M6 Lesson 6: Compare and classify quadrilaterals. 3A M6 Lesson 10: Draw quadrilaterals with specified attributes.</p>

**Florida's B.E.S.T. Standards
for Mathematics**

Aligned Components of *Eureka Math*² Florida

<p>MA.3.GR.1.3</p> <p>Draw line(s) of symmetry in a two-dimensional figure and identify line-symmetric two-dimensional figures.</p>	<p>3A M6 Lesson 11: Recognize, identify, and draw lines of symmetry.</p>
--	--

Geometric Reasoning

MA.3.GR.2 Solve problems involving the perimeter and area of rectangles.

**Florida's B.E.S.T. Standards
for Mathematics**

Aligned Components of *Eureka Math*² Florida

<p>MA.3.GR.2.1</p> <p>Explore area as an attribute of a two-dimensional figure by covering the figure with unit squares without gaps or overlaps. Find areas of rectangles by counting unit squares.</p>	<p>3A M4 Lesson 1: Recognize area as an attribute of polygons and use tiles to find their areas.</p> <p>3A M4 Lesson 2: Compose rectangles to compare areas.</p> <p>3A M4 Lesson 3: Relate side lengths to the number of tiles on a side.</p> <p>3A M4 Lesson 4: Tile and draw rows and columns to complete a rectangular array and determine its area.</p> <p>3A M4 Lesson 12: Solve historical math problems involving area.</p>
<p>MA.3.GR.2.2</p> <p>Find the area of a rectangle with whole-number side lengths using a visual model and a multiplication formula.</p>	<p>3A M4 Lesson 4: Tile and draw rows and columns to complete a rectangular array and determine its area.</p> <p>3A M4 Lesson 5: Determine the area of a rectangle by using side lengths.</p> <p>3A M4 Lesson 6: Multiply side lengths to find the area of a rectangle and use a formula.</p> <p>3A M4 Lesson 7: Compose large rectangles and reason about their areas.</p> <p>3A M4 Lesson 8: Decompose to find the total area of a rectangle.</p> <p>3A M4 Lesson 9: Apply area understanding to real-world situations.</p>

**Florida's B.E.S.T. Standards
for Mathematics**

Aligned Components of *Eureka Math*² Florida

<p>MA.3.GR.2.3</p> <p>Solve mathematical and real-world problems involving the perimeter and area of rectangles with whole-number side lengths using a visual model and a formula.</p>	<p>3A M4 Lesson 5: Determine the area of a rectangle by using side lengths. 3A M4 Lesson 6: Multiply side lengths to find the area of a rectangle and use a formula. 3A M4 Lesson 8: Decompose to find the total area of a rectangle. 3A M4 Lesson 9: Apply area understanding to real-world situations. 3A M4 Lesson 10: Reason to find the area of composite shapes by using grids. 3A M4 Lesson 11: Reason to find the area of composite shapes by using rectangles. 3A M6 Lesson 19: Investigate and use formulas for the perimeter of a rectangle. 3A M6 Lesson 21: Solve real-world problems involving perimeter and area.</p>
<p>MA.3.GR.2.4</p> <p>Solve mathematical and real-world problems involving the perimeter and area of composite figures composed of non-overlapping rectangles with whole-number side lengths.</p>	<p>3A M4 Lesson 7: Compose large rectangles and reason about their areas. 3A M4 Lesson 8: Decompose to find the total area of a rectangle. 3A M4 Lesson 10: Reason to find the area of composite shapes by using grids. 3A M4 Lesson 11: Reason to find the area of composite shapes by using rectangles. 3A M6 Lesson 20: Solve real-world problems involving perimeter and unknown measurements by using all four operations. 3A M6 Lesson 21: Solve real-world problems involving perimeter and area.</p>

Data Analysis and Probability

MA.3.DP.1 Collect, represent and interpret numerical and categorical data.

**Florida's B.E.S.T. Standards
for Mathematics**

Aligned Components of *Eureka Math*² Florida

<p>MA.3.DP.1.1</p> <p>Collect and represent numerical and categorical data with whole-number values using tables, scaled pictographs, scaled bar graphs or line plots. Use appropriate titles, labels and units</p>	<p>3A M2 Lesson 2: Use measurement data to create a line plot. 3A M2 Lesson 3: Create a line plot to represent data and ask and answer questions. 3A M2 Lesson 24: Collect and represent data in a scaled bar graph and solve related problems. 3A M6 Lesson 26: Measure temperature and create a line plot. 3A M6 Lesson 27: Generate categorical data and represent it by using a scaled pictograph. 3A M6 Lesson 28: Solve problems by creating scaled pictographs and scaled bar graphs.</p>
--	---

**Florida's B.E.S.T. Standards
for Mathematics**

Aligned Components of *Eureka Math*² Florida

<p>MA.3.DP.1.2</p> <p>Interpret data with whole-number values represented with tables, scaled pictographs, circle graphs, scaled bar graphs or line plots by solving one- and two-step problems.</p>	<p>3A M2 Lesson 2: Use measurement data to create a line plot.</p> <p>3A M2 Lesson 24: Collect and represent data in a scaled bar graph and solve related problems.</p> <p>3A M6 Lesson 26: Measure temperature and create a line plot.</p> <p>3A M6 Lesson 28: Solve problems by creating scaled pictographs and scaled bar graphs.</p> <p>3A M6 Lesson 29: Interpret data represented in a circle graph and solve problems.</p>
---	---

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 Math*² Florida

<p>MA.4.NSO.1.2</p> <p>Read and write multi-digit whole numbers from 0 to 1,000,000 using standard form, expanded form and word form.</p>	<p>3A M2 Lesson 8: Write numbers to 1,000,000 in unit form and expanded form by using place value structure.</p> <p>3A M2 Lesson 9: Write numbers to 1,000,000 in standard form and word form.</p> <p>3A M2 Lesson 11: Name numbers by using place value understanding.</p>
<p>MA.4.NSO.1.3</p> <p>Plot, order and compare multi-digit whole numbers up to 1,000,000.</p>	<p>3A M2 Lesson 13: Compare numbers within 1,000,000 by using $>$, $=$, and $<$.</p> <p>3A M2 Lesson 14: Plot, order, and compare within 1,000,000 on a scaled number line.</p>

**Florida's B.E.S.T. Standards
for Mathematics**

Aligned Components of *Eureka Math*² Florida

<p>MA.4.NSO.1.4</p> <p>Round whole numbers from 0 to 10,000 to the nearest 10, 100 or 1,000.</p>	<p>3A M2 Lesson 19: Round four-digit numbers to the nearest thousand, hundred, and ten.</p> <p>3A M2 Lesson 20: Round to the nearest ten thousand and hundred thousand.</p> <p>3A M2 Lesson 21: Round multi-digit numbers to any place.</p> <p>3A M2 Lesson 31: Estimate by rounding to assess the reasonableness of sums.</p> <p>3A M2 Lesson 32: Solve two-step addition word problems.</p> <p>3A M2 Lesson 33: Estimate by rounding to assess the reasonableness of differences.</p> <p>3A M2 Lesson 34: Solve two-step subtraction word problems.</p> <p>3A M2 Lesson 35: Solve two-step word problems by using addition and subtraction.</p>
---	---

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 Math*² Florida

<p>MA.4.NSO.2.1</p> <p>Recall multiplication facts with factors up to 12 and related division facts with automaticity.</p>	<p>3A M3 Lesson 15: Multiply with regrouping by using place value strategies and the distributive property.</p>
---	---

**Florida's B.E.S.T. Standards
for Mathematics**

Aligned Components of *Eureka Math*² Florida

<p>MA.4.NSO.2.2</p> <p>Multiply two whole numbers, up to three digits by up to two digits, with procedural reliability.</p>	<p>3A M3 Lesson 14: Multiply by multiples of 100 and 1,000 and find the product of two multiples of 10.</p> <p>3A M3 Lesson 15: Multiply with regrouping by using place value strategies and the distributive property.</p> <p>3A M3 Lesson 16: Multiply by using an area model and the distributive property.</p> <p>3A M3 Lesson 17: Multiply by applying the distributive property and write equations.</p> <p>3A M3 Lesson 18: Solve multiplication word problems.</p> <p>3A M3 Lesson 19: Apply place value strategies to multiply three- and four-digit numbers by one-digit numbers.</p> <p>3A M3 Lesson 20: Represent multiplication by using partial products.</p> <p>3A M3 Lesson 21: Multiply by using various recording methods in vertical form.</p> <p>3A M3 Lesson 22: Multiply two-digit numbers by two-digit multiples of 10.</p> <p>3A M3 Lesson 23: Apply place value strategies to multiply two-digit numbers by two-digit numbers.</p> <p>3A M3 Lesson 24: Multiply with four partial products.</p> <p>3A M3 Lesson 25: Multiply with two partial products.</p> <p>3A M3 Lesson 26: Multiply three-digit numbers by two-digit numbers by using the distributive property.</p>
<p>MA.4.NSO.2.5</p> <p>Explore the multiplication and division of multi-digit whole numbers using estimation, rounding and place value.</p>	<p>3A M2 Lesson 23: Explore multi-digit division by using estimation, rounding, and place value.</p>

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 <i>Eureka Math</i> ² Florida
<p>MA.4.AR.1.1</p> <p>Solve real-world problems involving multiplication and division of whole numbers including problems in which remainders must be interpreted within the context.</p>	<p>3A M3 Lesson 18: Solve multiplication word problems.</p>
<p>MA.4.AR.1.2</p> <p>Solve real-world problems involving addition and subtraction of fractions with like denominators, including mixed numbers and fractions greater than one.</p>	<p>3A M5 Lesson 28: Subtract a fraction from a whole number. 3A M5 Lesson 29: Solve addition and subtraction word problems and estimate the reasonableness of the answers. 3A M5 Lesson 30: Add fractions and mixed numbers.</p>

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 <i>Eureka Math</i> ² Florida
<p>MA.4.AR.2.1</p> <p>Determine and explain whether an equation involving any of the four operations with whole numbers is true or false.</p>	<p>3A M2 Lesson 36: Determine and explain whether an equation involving addition and/or subtraction is true or false.</p>

**Florida's B.E.S.T. Standards
for Mathematics**

Aligned Components of *Eureka Math*² Florida

<p>MA.4.AR.2.2</p> <p>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.</p>	<p>3A M6 Lesson 22: Find unknown side lengths in area and perimeter problems.</p> <p>3A M6 Lesson 23: Solve problems to determine the perimeters of rectangles with the same area.</p> <p>3A M6 Lesson 24: Solve problems to determine the areas of rectangles with the same perimeter.</p>
---	---

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 Math*² Florida

<p>MA.4.AR.3.1</p> <p>Determine factor pairs for a whole number from 0 to 144. Determine whether a whole number from 0 to 144 is prime, composite or neither.</p>	<p>3A M3 Lesson 6: Find factor pairs for numbers up to 144 and use factors to identify numbers as prime or composite.</p> <p>3A M3 Lesson 7: Use division and the associative property of multiplication to find factors.</p> <p>3A M3 Lesson 8: Recognize that a number is a multiple of each of its factors.</p> <p>3A M3 Lesson 9: Explore properties of prime and composite numbers up to 100 by using multiples.</p>
<p>MA.4.AR.3.2</p> <p>Generate, describe and extend a numerical pattern that follows a given rule.</p>	<p>3A M2 Lesson 18: Find 1, 10, and 100 thousand more than and less than a given number.</p>

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 <i>Eureka Math</i> ² Florida
<p>MA.4.M.1.2</p> <p>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</p>	<p>3A M3 Lesson 26: Multiply three-digit numbers by two-digit numbers by using the distributive property.</p>

Measurement

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

Florida's B.E.S.T. Standards for Mathematics	Aligned Components of <i>Eureka Math</i> ² Florida
<p>MA.4.M.2.1</p> <p>Solve two-step real-world problems involving distances and intervals of time using any combination of the four operations.</p>	<p>3A M2 Lesson 32: Solve two-step addition word problems. 3A M2 Lesson 34: Solve two-step subtraction word problems. 3A M2 Lesson 35: Solve two-step word problems by using addition and subtraction. 3A M3 Lesson 21: Multiply by using various recording methods in vertical form.</p>

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 <i>Eureka Math</i> ² Florida
<p>MA.4.FR.1.3</p> <p>Identify and generate equivalent fractions, including fractions greater than one. Describe how the numerator and denominator are affected when the equivalent fraction is created.</p>	<p>3A M5 Lesson 21: Rename fractions as a sum of equivalent smaller unit fractions.</p> <p>3A M5 Lesson 22: Generate equivalent fractions with smaller units.</p> <p>3A M5 Lesson 23: Generate equivalent fractions with larger units.</p> <p>3A M5 Lesson 24: Represent equivalent fractions by using tape diagrams, number lines, and multiplication or division.</p> <p>3A M5 Lesson 25: Generate equivalent fractions for fractions greater than 1 and generate equivalent mixed numbers.</p>
<p>MA.4.FR.1.4</p> <p>Plot, order and compare fractions, including mixed numbers and fractions greater than one, with different numerators and different denominators.</p>	<p>3A M5 Lesson 17: Compare fractions by using the benchmarks 0, $\frac{1}{2}$, and 1.</p> <p>3A M5 Lesson 18: Compare fractions with related denominators or related numerators.</p> <p>3A M5 Lesson 26: Generate a common numerator or denominator to compare fractions.</p>

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 <i>Eureka Math</i> ² Florida
<p>MA.4.FR.2.1</p> <p>Decompose a fraction, including mixed numbers and fractions greater than one, into a sum of fractions with the same denominator in multiple ways. Demonstrate each decomposition with objects, drawings and equations.</p>	<p>3A M5 Lesson 11: Decompose fractions into a sum of fractions.</p> <p>3A M5 Lesson 12: Represent fractions by using various fraction models.</p> <p>3A M5 Lesson 13: Decompose fractions greater than 1 and mixed numbers in multiple ways.</p> <p>3A M5 Lesson 21: Rename fractions as a sum of equivalent smaller unit fractions.</p> <p>3A M5 Lesson 28: Subtract a fraction from a whole number.</p>

**Florida's B.E.S.T. Standards
for Mathematics**

Aligned Components of *Eureka Math*² Florida

<p>MA.4.FR.2.2</p> <p>Add and subtract fractions with like denominators, including mixed numbers and fractions greater than one, with procedural reliability</p>	<p>3A M5 Lesson 27: Add and subtract fractions with like units. 3A M5 Lesson 28: Subtract a fraction from a whole number. 3A M5 Lesson 30: Add fractions and mixed numbers. 3A M5 Lesson 31: Subtract a fraction from a mixed number. 3A M5 Lesson 32: Subtract a mixed number from a mixed number.</p>
<p>MA.4.FR.2.3</p> <p>Explore the addition of a fraction with denominator of 10 to a fraction with denominator of 100 using equivalent fractions.</p>	<p>3A M5 Lesson 33: Apply fraction equivalence to add tenths and hundredths. 3A M5 Lesson 34: Apply fraction equivalence to add mixed numbers with tenths and hundredths.</p>

Geometric Reasoning

MA.4.GR.1 Draw, classify and measure angles.

**Florida's B.E.S.T. Standards
for Mathematics**

Aligned Components of *Eureka Math*² Florida

<p>MA.4.GR.1.1</p> <p>Informally explore angles as an attribute of two-dimensional figures. Identify and classify angles as acute, right, obtuse, straight or reflex.</p>	<p>3A M6 Lesson 12: Identify and draw right, acute, obtuse, and straight angles. 3A M6 Lesson 13: Explore angles as fractional turns through a circle. 3A M6 Lesson 14: Use a circular protractor to recognize a 1° angle as a turn through $\frac{1}{360}$ of a circle. 3A M6 Lesson 16: Use a protractor to draw angles up to 180°.</p>
--	---

**Florida's B.E.S.T. Standards
for Mathematics**

Aligned Components of *Eureka Math*² Florida

<p>MA.4.GR.1.2</p> <p>Estimate angle measures. Using a protractor, measure angles in whole-number degrees and draw angles of specified measure in whole-number degrees. Demonstrate that angle measure is additive.</p>	<p>3A M6 Lesson 14: Use a circular protractor to recognize a 1° angle as a turn through $\frac{1}{360}$ of a circle.</p> <p>3A M6 Lesson 15: Use 180° protractors to measure angles.</p> <p>3A M6 Lesson 16: Use a protractor to draw angles up to 180°.</p> <p>3A M6 Lesson 17: Find unknown angle measures within right and straight angles.</p> <p>3A M6 Lesson 18: Find unknown angle measures within a decomposed angle of up to 180°.</p>
<p>MA.4.GR.1.3</p> <p>Solve real-world and mathematical problems involving unknown whole-number angle measures. Write an equation to represent the unknown</p>	<p>3A M6 Lesson 17: Find unknown angle measures within right and straight angles.</p> <p>3A M6 Lesson 18: Find unknown angle measures within a decomposed angle of up to 180°</p>

Geometric Reasoning

MA.4.GR.2 Solve problems involving the perimeter and area of rectangles.

**Florida's B.E.S.T. Standards
for Mathematics**

Aligned Components of *Eureka Math*² Florida

<p>MA.4.GR.2.1</p> <p>Solve perimeter and area mathematical and real-world problems, including problems with unknown sides, for rectangles with whole-number side lengths.</p>	<p>3A M3 Lesson 16: Multiply by using an area model and the distributive property.</p> <p>3A M6 Lesson 22: Find unknown side lengths in area and perimeter problems.</p> <p>3A M6 Lesson 25: Apply area and perimeter formulas to solve problems.</p>
---	---

**Florida's B.E.S.T. Standards
for Mathematics**

Aligned Components of *Eureka Math*² Florida

<p>MA.4.GR.2.2</p> <p>Solve problems involving rectangles with the same perimeter and different areas or with the same area and different perimeters.</p>	<p>3A M6 Lesson 23: Solve problems to determine the perimeters of rectangles with the same area.</p> <p>3A M6 Lesson 24: Solve problems to determine the areas of rectangles with the same perimeter.</p>
--	---

English Language Arts Expectations

English Language Arts Expectations

Aligned Components of *Eureka Math*² Florida

<p>ELA.K12.EE.1.1</p> <p>Cite evidence to explain and justify reasoning.</p>	<p>3A M1 Lesson 7: Demonstrate the commutative property of multiplication by using by units of 2 and 4 and the array model.</p> <p>3A M1 Lesson 12: Represent and solve measurement and partitive division word problems.</p> <p>3A M1 Lesson 17: Represent and solve two-step word problems using drawings and equations.</p> <p>3A M1 Lesson 19: Use the break apart to divide strategy with units of 6 and 8.</p> <p>3A M2 Lesson 2: Use measurement data to create a line plot.</p> <p>3A M2 Lesson 8: Write numbers to 1,000,000 in unit form and expanded form by using place value structure.</p> <p>3A M2 Lesson 12: Plot, order, and compare numbers to 10,000.</p> <p>3A M2 Lesson 14: Plot, order, and compare within 1,000,000 on a scaled number line.</p> <p>3A M2 Lesson 19: Round four-digit numbers to the nearest thousand, hundred, and ten.</p> <p>3A M2 Lesson 20: Round to the nearest ten thousand and hundred thousand.</p> <p>3A M2 Lesson 24: Collect and represent data in a scaled bar graph and solve related problems.</p> <p>3A M2 Lesson 36: Determine and explain whether an equation involving addition and/or subtraction is true or false.</p> <p>3A M3 Lesson 1: Identify, extend, and create numerical patterns.</p> <p>3A M3 Lesson 5: Determine whether a whole number is even or odd and whether it is a multiple of another number.</p> <p>3A M3 Lesson 6: Find factor pairs for numbers up to 144 and use factors to identify numbers as prime or composite.</p>
---	---

English Language Arts Expectations

Aligned Components of *Eureka Math*² Florida

ELA.K12.EE.1.1 *continued*

- 3A M3 Lesson 7: Use division and the associative property of multiplication to find factors.
- 3A M3 Lesson 9: Explore properties of prime and composite numbers up to 100 by using multiples.
- 3A M3 Lesson 16: Multiply by using an area model and the distributive property.
- 3A M3 Lesson 19: Apply place value strategies to multiply three- and four-digit numbers by one-digit numbers.
- 3A M3 Lesson 20: Represent multiplication by using partial products.
- 3A M3 Lesson 23: Apply place value strategies to multiply two-digit numbers by two-digit numbers.
- 3A M4 Lesson 1: Recognize area as an attribute of polygons and use tiles to find their areas.
- 3A M4 Lesson 2: Compose rectangles to compare areas.
- 3A M4 Lesson 10: Reason to find the area of composite shapes by using grids.
- 3A M4 Lesson 11: Reason to find the area of composite shapes by using rectangles.
- 3A M5 Lesson 4: Build non-unit fractions less than 1 from unit fractions.
- 3A M5 Lesson 5: Identify and represent a whole as two parts: a unit fraction and a non-unit fraction.
- 3A M5 Lesson 8: Identify equivalent fractions from 0 to 1 with tape diagrams and on number lines.
- 3A M5 Lesson 10: Decompose fractions into a sum of unit fractions.
- 3A M5 Lesson 11: Decompose fractions into a sum of fractions.
- 3A M5 Lesson 18: Compare fractions with related denominators or related numerators.
- 3A M5 Lesson 22: Generate equivalent fractions with smaller units.
- 3A M5 Lesson 25: Generate equivalent fractions for fractions greater than 1 and generate equivalent mixed numbers.
- 3A M5 Lesson 26: Generate a common numerator or denominator to compare fractions.
- 3A M5 Lesson 28: Subtract a fraction from a whole number.
- 3A M6 Lesson 1: Count by fives and ones on the number line as a strategy for telling time on the clock.
- 3A M6 Lesson 6: Compare and classify quadrilaterals.
- 3A M6 Lesson 9: Identify, define, and draw parallel lines.
- 3A M6 Lesson 11: Recognize, identify, and draw lines of symmetry.
- 3A M6 Lesson 17: Find unknown angle measures within right and straight angles.
- 3A M6 Lesson 21: Solve real-world problems involving perimeter and area.
- 3A M6 Lesson 23: Solve problems to determine the perimeters of rectangles with the same area.
- 3A M6 Lesson 27: Generate categorical data and represent it by using a scaled pictograph.
- 3A M6 Lesson 29: Interpret data represented in a circle graph and solve problems.
- 3A M1 Lesson 4: Explore measurement and partitive division by modeling concretely and drawing.

English Language Arts Expectations

Aligned Components of *Eureka Math*² Florida

<p>ELA.K12.EE.2.1</p> <p>Read and comprehend grade-level complex texts proficiently.</p>	<p>3A M1 Lesson 5: Model measurement and partitive division by drawing equal groups and arrays.</p> <p>3A M1 Lesson 11: Model the quotient as the size of each group or the number of groups by using units of 2, 3, 4, 5, and 10.</p> <p>3A M2 Lesson 5: Use all four operations to solve one-step word problems using liquid volume and metric units.</p> <p>3A M2 Lesson 17: Round to the nearest hundred on the vertical number line.</p> <p>3A M2 Lesson 18: Find 1, 10, and 100 thousand more than and less than a given number.</p> <p>3A M2 Lesson 29: Subtract measurements using the standard algorithm to decompose larger units across two place values.</p> <p>3A M2 Lesson 32: Solve two-step addition word problems.</p> <p>3A M2 Lesson 34: Solve two-step subtraction word problems.</p> <p>3A M3 Lesson 3: Reason about and explain patterns of multiplication and division with units of 1 and 0.</p> <p>3A M3 Lesson 10: Use the distributive property, arrays, and tape diagrams to multiply and divide with units of 11 and 12.</p> <p>3A M4 Lesson 7: Compose large rectangles and reason about their areas.</p> <p>3A M4 Lesson 8: Decompose to find the total area of a rectangle.</p> <p>3A M5 Lesson 6: Compare fractions less than 1 with the same numerator by reasoning about their size.</p> <p>3A M5 Lesson 7: Locate and represent fractions from 0 to 1 on a number line.</p> <p>3A M5 Lesson 16: Plot and order fractional numbers with the same or related denominators.</p> <p>3A M5 Lesson 29: Solve addition and subtraction word problems and estimate the reasonableness of the answers.</p> <p>3A M6 Lesson 2: Solve time word problems where the end time is unknown.</p> <p>3A M6 Lesson 4: Solve time word problems where the change in time is unknown.</p> <p>3A M6 Lesson 20: Solve real-world problems involving perimeter and unknown measurements by using all four operations.</p> <p>3A M6 Lesson 22: Find unknown side lengths in area and perimeter problems.</p>
<p>ELA.K12.EE.3.1</p> <p>Make inferences to support comprehension.</p>	<p>3A M1 Lesson 14: Break apart division problems into known facts.</p> <p>3A M1 Lesson 21: Solve one-step word problems involving multiplication and division.</p> <p>3A M2 Lesson 4: Measure liquid volume using a vertical number line and connect composition of 1 liter to composition of 1 thousand.</p> <p>3A M2 Lesson 9: Write numbers to 1,000,000 in standard form and word form.</p>

English Language Arts Expectations

Aligned Components of *Eureka Math*² Florida

<p>ELA.K12.EE.3.1 <i>continued</i></p>	<p>3A M2 Lesson 22: Estimate sums and differences by rounding. 3A M2 Lesson 31: Estimate by rounding to assess the reasonableness of sums. 3A M3 Lesson 11: Use the break apart to divide strategy with units of 11 and 12. 3A M3 Lesson 13: Solve two-step word problems involving multiplication of single-digit factors and multiples of 10 and 100. 3A M4 Lesson 12: Solve historical math problems involving area. 3A M5 Lesson 19: Identify fractions equivalent to whole numbers by using number lines. 3A M5 Lesson 23: Generate equivalent fractions with larger units. 3A M5 Lesson 32: Subtract a mixed number from a mixed number. 3A M6 Lesson 25: Apply area and perimeter formulas to solve problems. 3A M6 Lesson 26: Measure temperature and create a line plot.</p>
<p>ELA.K12.EE.4.1 Use appropriate collaborative techniques and active listening skills when engaging in discussions in a variety of situations.</p>	<p>3A M1 Lesson 3: Represent and solve multiplication word problems by using drawings and equations. 3A M1 Lesson 15: Determine and explain whether an equation involving multiplication or division is true or false. 3A M1 Lesson 16: Represent and solve two-step word problems using the properties of multiplication. 3A M2 Lesson 6: Organize, count, and represent a collection of objects. 3A M2 Lesson 7: Write numbers to 10,000 in standard form, expanded form, and word form. 3A M2 Lesson 21: Round multi-digit numbers to any place. 3A M2 Lesson 30: Solve two-step word problems. 3A M2 Lesson 33: Estimate by rounding to assess the reasonableness of differences. 3A M2 Lesson 35: Solve two-step word problems by using addition and subtraction. 3A M3 Lesson 4: Identify and complete patterns with input-output tables. 3A M3 Lesson 8: Recognize that a number is a multiple of each of its factors. 3A M3 Lesson 18: Solve multiplication word problems. 3A M3 Lesson 22: Multiply two-digit numbers by two-digit multiples of 10. 3A M3 Lesson 24: Multiply with four partial products. 3A M3 Lesson 26: Multiply three-digit numbers by two-digit numbers by using the distributive property. 3A M4 Lesson 4: Tile and draw rows and columns to complete a rectangular array and determine its area. 3A M4 Lesson 9: Apply area understanding to real-world situations. 3A M5 Lesson 9: Identify and measure with fractions on a ruler and measure liquid volume.</p>

English Language Arts Expectations

Aligned Components of *Eureka Math*² Florida

<p>ELA.K12.EE.4.1 <i>continued</i></p>	<p>3A M5 Lesson 12: Represent fractions by using various fraction models.</p> <p>3A M5 Lesson 14: Represent fractions greater than 1 on a number line and identify fractions equivalent to whole numbers.</p> <p>3A M5 Lesson 24: Represent equivalent fractions by using tape diagrams, number lines, and multiplication or division.</p> <p>3A M5 Lesson 30: Add fractions and mixed numbers.</p> <p>3A M5 Lesson 33: Apply fraction equivalence to add tenths and hundredths.</p> <p>3A M5 Lesson 34: Apply fraction equivalence to add mixed numbers with tenths and hundredths.</p> <p>3A M6 Lesson 3: Solve time word problems where the start time is unknown.</p> <p>3A M6 Lesson 12: Identify and draw right, acute, obtuse, and straight angles.</p> <p>3A M6 Lesson 18: Find unknown angle measures within a decomposed angle of up to 180°.</p> <p>3A M6 Lesson 24: Solve problems to determine the areas of rectangles with the same perimeter.</p>
<p>ELA.K12.EE.5.1</p> <p>Use the accepted rules governing a specific format to create quality work.</p>	<p>3A M1 Lesson 1: Interpret equal groups, arrays, and tape diagrams as multiplication.</p> <p>3A M1 Lesson 8: Demonstrate the distributive property using a unit of 4.</p> <p>3A M1 Lesson 9: Demonstrate the distributive property using units of 2, 3, 4, 5, and 10.</p> <p>3A M2 Lesson 1: Use all four operations to solve one-step word problems involving weight.</p> <p>3A M2 Lesson 11: Name numbers by using place value understanding.</p> <p>3A M2 Lesson 13: Compare numbers within 1,000,000 by using $>$, $=$, and $<$.</p> <p>3A M2 Lesson 25: Use place value understanding and simplifying strategies to add.</p> <p>3A M2 Lesson 26: Use place value understanding and simplifying strategies to subtract.</p> <p>3A M2 Lesson 27: Add measurements using the standard algorithm to compose larger units twice.</p> <p>3A M2 Lesson 28: Subtract measurements using the standard algorithm to decompose larger units twice.</p> <p>3A M3 Lesson 2: Apply strategies and identify patterns to multiply with units of 9.</p> <p>3A M3 Lesson 12: Multiply by multiples of 10 and 100 by using place value strategies and the associative property.</p> <p>3A M3 Lesson 15: Multiply with regrouping by using place value strategies and the distributive property.</p> <p>3A M3 Lesson 25: Multiply with two partial products.</p> <p>3A M4 Lesson 6: Multiply side lengths to find the area of a rectangle and use a formula.</p> <p>3A M5 Lesson 1: Partition a whole into equal parts and name the fractional unit.</p> <p>3A M5 Lesson 3: Identify fractions of a set.</p>

English Language Arts Expectations

Aligned Components of *Eureka Math*² Florida

<p>ELA.K12.EE.5.1 <i>continued</i></p>	<p>3A M5 Lesson 15: Compare fractions with like units or the same numerators by using a number line. 3A M5 Lesson 21: Rename fractions as a sum of equivalent smaller unit fractions. 3A M5 Lesson 27: Add and subtract fractions with like units. 3A M6 Lesson 7: Identify and draw points, lines, line segments, and rays. 3A M6 Lesson 8: Identify, define, and draw perpendicular lines. 3A M6 Lesson 10: Draw quadrilaterals with specified attributes. 3A M6 Lesson 14: Use a circular protractor to recognize a 1° angle as a turn through $1/360$ of a circle. 3A M6 Lesson 15: Use 180° protractors to measure angles. 3A M6 Lesson 16: Use a protractor to draw angles up to 180°. 3A M6 Lesson 19: Investigate and use formulas for the perimeter of a rectangle. 3A M6 Lesson 28: Solve problems by creating scaled pictographs and scaled bar graphs.</p>
<p>ELA.K12.EE.6.1 Use appropriate voice and tone when speaking or writing.</p>	<p>3A M1 Lesson 2: Interpret the meaning of factors as number of groups or number in each group. 3A M1 Lesson 6: Represent and solve division word problems using drawings and equations. 3A M1 Lesson 10: Model division as an unknown factor problem. 3A M1 Lesson 13: Use the distributive property to break apart multiplication problems into known facts. 3A M1 Lesson 18: Count by units of 6 and 8 to multiply and divide by using arrays. 3A M1 Lesson 20: Model the associative property as a strategy to multiply and explore parentheses in expressions with different operations. 3A M2 Lesson 3: Create a line plot to represent data and ask and answer questions. 3A M2 Lesson 10: Compose and decompose four-digit numbers by using place value understanding. 3A M2 Lesson 15: Read temperatures on a thermometer using number line concepts. 3A M2 Lesson 16: Round two- and three-digit numbers to the nearest ten on the vertical number line. 3A M2 Lesson 23: Explore multi-digit division by using estimation, rounding, and place value. 3A M3 Lesson 14: Multiply by multiples of 100 and 1,000 and find the product of two multiples of 10. 3A M3 Lesson 17: Multiply by applying the distributive property and write equations. 3A M3 Lesson 21: Multiply by using various recording methods in vertical form. 3A M4 Lesson 3: Relate side lengths to the number of tiles on a side. 3A M4 Lesson 5: Determine the area of a rectangle by using side lengths. 3A M5 Lesson 2: Partition a whole into fractional units and write fractions in fraction form. 3A M5 Lesson 13: Decompose fractions greater than 1 and mixed numbers in multiple ways.</p>

English Language Arts Expectations

Aligned Components of *Eureka Math*² Florida

<p>ELA.K12.EE.6.1 <i>continued</i></p>	<p>3A M5 Lesson 17: Compare fractions by using the benchmarks 0, $\frac{1}{2}$, and 1.</p> <p>3A M5 Lesson 20: Reason to find fractions equivalent to whole numbers by using patterns and number lines.</p> <p>3A M5 Lesson 31: Subtract a fraction from a mixed number.</p> <p>3A M6 Lesson 5: Solve time word problems and use time data to create a line plot.</p> <p>3A M6 Lesson 13: Explore angles as fractional turns through a circle.</p>
---	---

English Language Development Standards

*ELD standards are integrated into all Eureka Math*² *Florida lessons. The list below provides exemplars from each module.*

English Language Development Standards

Aligned Components of *Eureka Math*² Florida

<p>ELD.K12.ELL.MA.1</p> <p>English language learners communicate for information, ideas and concepts necessary for academic success in the content area of Mathematics.</p>	<p>3A M1 Lesson 1: Interpret equal groups, arrays, and tape diagrams as multiplication.</p> <p>3A M1 Lesson 7: Demonstrate the commutative property of multiplication by using units of 2 and 4 and the array model.</p> <p>3A M2 Lesson 15: Read temperatures on a thermometer using number line concepts.</p> <p>3A M2 Lesson 24: Collect and represent data in a scaled bar graph and solve related problems.</p> <p>3A M3 Lesson 9: Explore properties of prime and composite numbers up to 100 by using multiples.</p> <p>3A M3 Lesson 13: Solve two-step word problems involving multiplication of single-digit factors and multiples of 10 and 100.</p> <p>3A M4 Lesson 1: Recognize area as an attribute of polygons and use tiles to find their areas.</p> <p>3A M4 Lesson 7: Compose large rectangles and reason about their areas.</p> <p>3A M5 Lesson 9: Identify and measure with fractions on a ruler and measure liquid volume.</p> <p>3A M5 Lesson 24: Represent equivalent fractions by using tape diagrams, number lines, and multiplication or division.</p> <p>3A M6 Lesson 4: Solve time word problems where the change in time is unknown.</p> <p>3A M6 Lesson 18: Find unknown angle measures within a decomposed angle of up to 180°.</p>
--	---