

G R E A T M I N D S

Grade 5 | Tennessee Academic Standards for Mathematics Correlation to Eureka Math®

About Eureka Math

Created by Great Minds®, a mission-driven Public Benefit Corporation, *Eureka Math*® helps teachers deliver unparalleled math instruction that provides students with a deep understanding and fluency in math. Crafted by teachers and math scholars, the curriculum carefully sequences the mathematical progressions to maximize coherence from Prekindergarten through Precalculus—a principle tested and proven to be essential in students' mastery of math.

Teachers and students using *Eureka Math* find the trademark "Aha!" moments in *Eureka Math* to be a source of joy and inspiration, lesson after lesson, year after year.

Aligned

Great Minds offers detailed analyses that demonstrate how each grade of *Eureka Math* aligns with specific state standards. Access these free alignment studies at <u>greatminds.org/state-studies</u>.

Data

Schools and districts nationwide are experiencing student growth and impressive test scores after using *Eureka Math*. See their stories and data at <u>greatminds.org/data</u>.

Full Suite of Resources

Great Minds offers the *Eureka Math* curriculum as PDF downloads for free, noncommercial use. Access the free PDFs at <u>greatminds.org/math/curriculum</u>.

The teacher-writers who created the curriculum have also developed essential resources, available only from Great Minds, including the following:

- Printed material in English and Spanish
- Digital resources
- Professional development
- Classroom tools and manipulatives
- Teacher support materials
- Parent resources

Standards for Mathematical Practice

Aligned Components of Eureka Math

MP.1

Make sense of problems and persevere in solving them.

MP.2

Reason abstractly and quantitatively.

MP.3

Construct viable arguments and critique the reasoning of others.

MP.4

Model with mathematics.

MP.5

Use appropriate tools strategically.

MP.6

Attend to precision.

MP.7

Look for and make use of structure.

MP.8

Look for and express regularity in repeated reasoning.

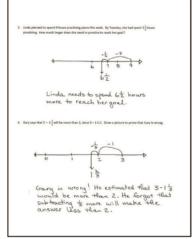
Lessons in every module engage students in mathematical practices. These are designated in the Module Overview and labeled in lessons.

For example:

A STORY OF UNITS

Lesson 8 5•3

- T: Student B, what were you saying about the addition problems compared to the subtraction problems?
- S: Addition takes less time and thinking. Just add the whole numbers and write in the fraction. But with subtraction, you have to think harder. First, you subtract the whole numbers, but that won't be your whole number answer. You have to make it one number smaller. In Problem 1(f), for instance, 17 minus 15 equals 2, but the answer won't be 2; it will be between 1 and 2. So, I write down the whole number 1, and then figure out the fraction.
- T: Student C, how did you find the fraction that Student B mentioned?
 - S: For finding the fraction part of subtraction, I like to count up. For example, in Problem 1(d), I found the whole number and then said $\frac{3}{4}$, $\frac{4}{4}$, $\frac{6}{7}$, $\frac{7}{7}$. That's 5 groups of sevenths. So, the fraction is $\frac{5}{7}$.



- T: Many of us are finding our own strategies for solving addition and subtraction of whole numbers and fractions. Share with your partner your own strategies. Listen carefully and see if you learn a new
- (If time permits, ask two students to share what they heard.)

Operations and Algebraic Thinking

5.OA.A Write and interpret numerical expressions.

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Aligned Components of Eureka Math

5.OA.A.1

Use parentheses and/or brackets in numerical expressions involving whole numbers and evaluate expressions having these symbols using the conventional order by applying the Order of Operations.

G5 M2 Lesson 3: Write and interpret numerical expressions, and compare expressions using a visual model.

G5 M2 Lesson 4: Convert numerical expressions into unit form as a mental strategy for multi-digit multiplication.

5.OA.A.2

Write numerical expressions that record calculations with numbers and interpret numerical expressions without evaluating them.

G5 M2 Lesson 3: Write and interpret numerical expressions, and compare expressions using a visual model.

G5 M2 Lesson 4: Convert numerical expressions into unit form as a mental strategy for multi-digit multiplication.

G5 M4 Lesson 10: Compare and evaluate expressions with parentheses.

G5 M4 Lesson 32: Interpret and evaluate numerical expressions including the language of scaling and fraction division.

G5 M6 Lesson 7: Plot points, use them to draw lines in the plane, and describe patterns within the coordinate pairs.

G5 M6 Lesson 8: Generate a number pattern from a given rule, and plot the points.

G5 M6 Lesson 9: Generate two number patterns from given rules, plot the points, and analyze the patterns.

G5 M6 Lesson 26: Solidify writing and interpreting numerical expressions.

G5 M6 Lesson 27: Solidify writing and interpreting numerical expressions.

Operations and Algebraic Thinking

5.OA.B Analyze patterns and relationships.

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5.OA.B.3	This standard is fully addressed by the lessons aligned to its subsections.
Generate two numerical patterns using two given rules.	
5.OA.B.3a	G5 M6 Topic B: Patterns in the Coordinate Plane and Graphing Number Patterns from Rules
Identify relationships between corresponding terms in two numerical patterns.	G5 M6 Lesson 18: Draw symmetric figures on the coordinate plane.
	G5 M6 Lesson 31: Explore the Fibonacci sequence.
	G5 M6 Lesson 32: Explore patterns in saving money.
5.OA.B.3b	G5 M6 Topic B: Patterns in the Coordinate Plane and Graphing Number Patterns from Rules
Form ordered pairs (limited to first quadrant) consisting of corresponding terms from two numerical patterns and graph the ordered pairs on a coordinate plane.	G5 M6 Lesson 18: Draw symmetric figures on the coordinate plane.
	G5 M6 Lesson 31: Explore the Fibonacci sequence.
	G5 M6 Lesson 32: Explore patterns in saving money.

Number and Operations in Base Ten

5.NBT.A Understand the place value system.

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5.NBT.A.1

Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and $\frac{1}{10}$ of what it represents in the place to its left.

G5 M1 Lesson 1: Reason concretely and pictorially using place value understanding to relate adjacent base ten units from millions to thousandths.

G5 M1 Lesson 2: Reason abstractly using place value understanding to relate adjacent base ten units from millions to thousandths.

G5 M2 Topic A: Mental Strategies for Multi-Digit Whole Number Multiplication

G5 M2 Lesson 16: Use divide by 10 patterns for multi-digit whole number division.

5.NBT.A.2

Explain patterns in the number of zeros of the product when multiplying a number by powers of 10, and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Use whole-number exponents to denote powers of 10.

G5 M1 Lesson 3: Use exponents to name place value units and explain patterns in the placement of the decimal point.

G5 M1 Lesson 4: Use exponents to denote powers of 10 with application to metric conversions.

G5 M1 Lesson 12: Multiply a decimal fraction by single-digit whole numbers, including using estimation to confirm the placement of the decimal point.

G5 M2 Topic A: Mental Strategies for Multi-Digit Whole Number Multiplication

G5 M2 Lesson 16: Use divide by 10 patterns for multi-digit whole number division.

G5 M2 Lesson 24: Divide decimal dividends by multiples of 10, reasoning about the placement of the decimal point and making connections to a written method.

Aligned Components of Eureka Math

5.NBT.A.3

Read and write decimals to thousandths using standard form, word form, and expanded notation (e.g., the expanded notation of 347.392 is written as $(3\times 100) + (4\times 10) + (7\times 1) + (3\times (\frac{1}{10})) + (9\times (\frac{1}{100})) + (2\times (\frac{1}{1,000}))).$ Compare two decimals to thousandths based on meanings of the digits in each place and use the symbols >, =, and < to show the relationship.

G5 M1 Topic B: Decimal Fractions and Place Value Patterns

G5 M1 Topic D: Adding and Subtracting Decimals

G5 M1 Topic E: Multiplying Decimals

G5 M6 Lesson 28: Solidify fluency with Grade 5 skills.

5.NBT.A.4

Round decimals to the nearest hundredth, tenth, or whole number using understanding of place value, and use a number line to explain how the number was rounded. G5 M1 Topic C: Place Value and Rounding Decimal Fractions

G5 M6 Lesson 28: Solidify fluency with Grade 5 skills.

Number and Operations in Base Ten

5.NBT.B Perform operations with multi-digit whole numbers and with decimals to hundredths.

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Aligned Components of Eureka Math

5.NBT.B.5

Fluently multiply multi-digit whole numbers (up to three-digit by four-digit factors) using efficient strategies and algorithms.

G5 M2 Lesson 5: Connect visual models and the distributive property to partial products of the standard algorithm without renaming.

G5 M2 Lesson 6: Connect area models and the distributive property to partial products of the standard algorithm with renaming.

G5 M2 Lesson 7: Connect area models and the distributive property to partial products of the standard algorithm with renaming.

G5 M2 Lesson 8: Fluently multi-digit whole numbers using the standard algorithm and using estimation to check for reasonableness of the product.

G5 M2 Lesson 9: Fluently multi-digit whole numbers using the standard algorithm to solve multi-step word problems.

G5 M2 Lesson 13: Use whole number multiplication to express equivalent measurements.

G5 M2 Lesson 15: Solve two-step word problems involving measurement conversions.

G5 M6 Lesson 26: Solidify writing and interpreting numerical expressions.

5.NBT.B.6

Find whole-number quotients and remainders of whole numbers with up to four-digit dividends and two-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.

G5 M2 Topic E: Mental Strategies for Multi-Digit Whole Number Division

G5 M2 Topic F: Partial Quotients and Multi-Digit Whole Number Division

G5 M2 Lesson 28: Solve division word problems involving multi-digit division with group size unknown and the number of groups unknown.

G5 M6 Lesson 26: Solidify writing and interpreting numerical expressions.

Aligned Components of Eureka Math

5.NBT.B.7

Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between operations. Assess the reasonableness of answers using estimation strategies.

G5 M1 Topic D: Adding and Subtracting Decimals

G5 M1 Topic E: Multiplying Decimals

G5 M1 Topic F: Dividing Decimals

G5 M2 Topic C: Decimal Multi-Digit Multiplication

G5 M2 Topic D: Measurement Word Problems with Whole Number and Decimal Multiplication

G5 M2 Topic G: Partial Quotients and Multi-Digit Decimal Division

G5 M2 Topic H: Measurement Word Problems with Multi-Digit Division

G5 M4 Lesson 17: Relate decimal and fraction multiplication.

G5 M4 Lesson 18: Relate decimal and fraction multiplication.

G5 M4 Lesson 29: Connect division by a unit fraction to division by 1 tenth and 1 hundredth.

G5 M4 Lesson 30: Divide decimal dividends by non-unit decimal divisors.

G5 M4 Lesson 31: Divide decimal dividends by non-unit decimal divisors.

G5 M6 Lesson 26: Solidify writing and interpreting numerical expressions.

G5 M6 Lesson 28: Solidify fluency with Grade 5 skills.

Number and Operations—Fractions

5.NF.A Use equivalent fractions as a strategy to add and subtract fractions.

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5.NF.A.1

Add and subtract fractions with unlike denominators (including mixed numbers) by replacing given fractions with equivalent fractions in such a way as to produce an equivalent sum or difference of fractions with like denominators.

G4 M5 Lesson 20: Use visual models to add two fractions with related units using the denominators 2, 3, 4, 5, 6, 8, 10, and 12.

G4 M5 Lesson 21: Use visual models to add two fractions with related units using the denominators 2, 3, 4, 5, 6, 8, 10, and 12.

G5 M3 Lesson 3: Add fractions with unlike units using the strategy of creating equivalent fractions.

G5 M3 Lesson 4: Add fractions with sums between 1 and 2.

G5 M3 Lesson 5: Subtract fractions with unlike units using the strategy of creating equivalent fractions.

G5 M3 Lesson 6: Subtract fractions from numbers between 1 and 2.

G5 M3 Topic C: Making Like Units Numerically

G5 M3 Lesson 14: Strategize to solve multi-term problems.

G5 M6 Lesson 26: Solidify writing and interpreting numerical expressions.

G5 M6 Lesson 27: Solidify writing and interpreting numerical expressions.

5.NF.A.2

Solve contextual problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators. Use benchmark fractions and number sense of fractions to estimate mentally and assess the reasonableness of answers.

G4 M5 Lesson 29: Estimate sums and differences using benchmark numbers.

G5 M3 Lesson 7: Solve two-step word problems.

G5 M3 Lesson 9: Add fractions making like units numerically.

G5 M3 Lesson 13: Use fraction benchmark numbers to assess reasonableness of addition and subtraction equations.

G5 M3 Lesson 15: Solve multi-step word problems; assess reasonableness of solutions using benchmark numbers.

G5 M3 Lesson 16: Explore part-to-whole relationships.

G5 M6 Topic E: Multi-Step Word Problems

Number and Operations—Fractions

5.NF.B Apply and extend previous understandings of multiplication and division to multiply and divide fractions.

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Aligned Components of Eureka Math

5.NF.B.3

Interpret a fraction as division of the numerator by the denominator $(\frac{a}{b}=a \div b)$. Solve contextual problems involving division of whole numbers leading to answers in the form of fractions or mixed numbers by using visual fraction models or equations to represent the problem.

G5 M4 Topic B: Fractions as Division

G5 M6 Topic E: Multi-Step Word Problems

G5 M6 Lesson 28: Solidify fluency with Grade 5 skills.

5.NF.B.4

Apply and extend previous understandings of multiplication to multiply a fraction by a whole number or a fraction by a fraction.

This standard is fully addressed by the lessons aligned to its subsections.

5.NF.B.4a

Interpret the product $\frac{a}{b} \times q$ as $a \times (q \div b)$ (partition the quantity q into b equal parts and then multiply by a). Interpret the product $\frac{a}{b} \times q$ as $(a \times q) \div b$ (multiply a times the quantity q and then partition the product into b equal parts).

G5 M4 Lesson 6: Relate fractions as division to fraction of a set.

G5 M4 Lesson 7: Multiply any whole number by a fraction using tape diagrams.

G5 M4 Lesson 8: Relate a fraction of a set to the repeated addition interpretation of fraction multiplication.

G5 M4 Lesson 10: Compare and evaluate expressions with parentheses.

G5 M4 Lesson 13: Multiply unit fractions by unit fractions.

G5 M4 Lesson 14: Multiply unit fractions by non-unit fractions.

G5 M4 Lesson 15: Multiply non-unit fractions by non-unit fractions.

G5 M4 Lesson 17: Relate decimal and fraction multiplication.

G5 M4 Lesson 18: Relate decimal and fraction multiplication.

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5.NF.B.4a continued	G5 M4 Lesson 33: Create story contexts for numerical expressions and tape diagrams, and solve word problems. G5 M6 Lesson 26: Solidify writing and interpreting numerical expressions. G5 M6 Lesson 27: Solidify writing and interpreting numerical expressions. G5 M6 Lesson 28: Solidify fluency with Grade 5 skills.
5.NF.B.4b Find the area of a rectangle with fractional side lengths by tiling it with unit squares of the appropriate unit fraction side lengths, and show that the area is the same as would be found by multiplying the side lengths. Multiply fractional side lengths to find areas of rectangles and represent fraction products as rectangular areas.	G5 M5 Lesson 10: Find the area of rectangles with whole-by-mixed and whole-by-fractional number side lengths by tiling, record by drawing, and relate to fraction multiplication. G5 M5 Lesson 11: Find the area of rectangles with mixed-by-mixed and fraction-by-fraction side lengths by tiling, record by drawing, and relate to fraction multiplication. G5 M5 Lesson 12: Measure to find the area of rectangles with fractional side lengths. G5 M5 Lesson 13: Multiply mixed number factors, and relate to the distributive property and the area model.
5.NF.B.5 Interpret multiplication as scaling (resizing).	This standard is fully addressed by the lessons aligned to its subsections.
5.NF.B.5a Compare the size of a product to the size of one factor on the basis of the size of the other factor, without performing the indicated multiplication.	G5 M4 Lesson 21: Explain the size of the product, and relate fraction and decimal equivalence to multiplying a fraction by 1. G5 M4 Lesson 22: Compare the size of the product to the size of the factors. G5 M4 Lesson 23: Compare the size of the product to the size of the factors.

Aligned Components of Eureka Math

5.NF.B.5b

Explain why multiplying a given number by a fraction greater than 1 results in a product greater than the given number (recognizing multiplication by whole numbers greater than 1 as a familiar case); explain why multiplying a given number by a fraction between 0 and 1 results in a product less than the given number; and relate the principle of fraction equivalence $\frac{a}{b} = \frac{a \times n}{b \times n}$ to the effect of multiplying $\frac{a}{b}$ by 1.

G5 M4 Lesson 21: Explain the size of the product, and relate fraction and decimal equivalence to multiplying a fraction by 1.

G5 M4 Lesson 22: Compare the size of the product to the size of the factors.

G5 M4 Lesson 23: Compare the size of the product to the size of the factors.

5.NF.B.6

Solve real-world problems involving multiplication of fractions and mixed numbers by using visual fraction models or equations to represent the problem.

G5 M4 Lesson 11: Solve and create fraction word problems involving addition, subtraction, and multiplication.

G5 M4 Lesson 12: Solve and create fraction word problems involving addition, subtraction, and multiplication.

G5 M4 Lesson 16: Solve word problems using tape diagrams and fraction-by-fraction multiplication.

G5 M4 Lesson 24: Solve word problems using fraction and decimal multiplication.

G5 M5 Lesson 14: Solve real-world problems involving area of figures with fractional side lengths using visual models and/or equations.

G5 M5 Lesson 15: Solve real-world problems involving area of figures with fractional side lengths using visual models and/or equations.

G5 M6 Topic E: Multi-Step Word Problems

Aligned Components of Eureka Math

5.NF.B.7	This standard is addressed by the lessons aligned to its subsections.
Apply and extend previous understandings of division to divide unit fractions by whole numbers and whole numbers by unit fractions.	
5.NF.B.7a	G5 M4 Lesson 26: Divide a unit fraction by a whole number.
Interpret division of a unit fraction by a non-zero whole number and compute such quotients.	
5.NF.B.7b	G5 M4 Lesson 25: Divide a whole number by a unit fraction.
Interpret division of a whole number by a unit fraction and compute such quotients.	G5 M6 Lesson 28: Solidify fluency with Grade 5 skills.
5.NF.B.7c	G5 M4 Lesson 27: Solve problems involving fraction division.
Solve real-world problems involving division of unit fractions by non-zero whole numbers and division of whole numbers by unit fractions and non-unit fractions by using visual fraction models and equations to represent the problem.	G5 M4 Lesson 28: Write equations and word problems corresponding to tape and number line diagrams.
	G5 M4 Lesson 33: Create story contexts for numerical expressions and tape diagrams, and solve word problems.
	G5 M6 Topic E: Multi-Step Word Problems
	Supplemental material is necessary to fully address division of whole numbers by non-unit fractions.

Measurement and Data

5.MD.A Convert like measurement units within a given measurement system from a larger unit to a smaller unit.

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5.MD.A.1

Convert customary and metric measurement units within a single system by expressing measurements of a larger unit in terms of a smaller unit. Use these conversions to solve multi-step real-world problems involving distances, intervals of time, liquid volumes, masses of objects, and money (including problems involving simple fractions or decimals).

G4 M2 Topic A: Metric Unit Conversions

G4 M2 Lesson 5: Use addition and subtraction to solve multi-step word problems involving length, mass, and capacity.

G4 M5 Lesson 40: Solve word problems involving the multiplication of a whole number and a fraction including those involving line plots.

G4 M6 Lesson 14: Solve word problems involving the addition of measurements in decimal form.

G4 M6 Lesson 16: Solve word problems involving money.

G4 M7 Topic B: Problem Solving with Measurement

G4 M7 Lesson 14: Solve multi-step word problems involving converting mixed number measurements to a single unit.

G5 M1 Lesson 4: Use exponents to denote powers of 10 with application to metric conversions.

G5 M2 Lesson 13: Use whole number multiplication to express equivalent measurements.

G5 M2 Lesson 15: Solve two-step word problems involving measurement conversions.

G5 M4 Lesson 8: Relate a fraction of a set to the repeated addition interpretation of fraction multiplication.

G5 M4 Lesson 9: Find a fraction of a measurement, and solve word problems.

G5 M4 Lesson 20: Convert mixed unit measurements, and solve multi-step word problems.

G5 M6 Lesson 21: Make sense of complex, multi-step problems, and persevere in solving them. Share and critique peer solutions.

G5 M6 Lesson 28: Solidify fluency with Grade 5 skills.

Measurement and Data

5.MD.B Represent and interpret data.

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5.MD.B.2

Make a line plot to display a data set of measurements in fractions of a unit $(\frac{1}{2},\frac{1}{4},\frac{1}{8})$. Use operations on fractions for this grade to solve problems involving information presented in line plots.

G5 M4 Topic A: Line Plots of Fraction Measurements

Measurement and Data

5.MD.C Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.

Tennessee Academic Standards for Mathematics

Aligned Components of Eureka Math

This standard is fully addressed by the lessons aligned to its subsections.
G5 M5 Lesson 1: Explore volume by building with and counting unit cubes.
G5 M6 Lesson 29: Solidify the vocabulary of geometry.
G5 M6 Lesson 30: Solidify the vocabulary of geometry.

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5.MD.C.3b Understand that a solid figure which can be packed without gaps or overlaps using <i>n</i> unit cubes is said to have a volume of <i>n</i> cubic units.	G5 M5 Lesson 2: Find the volume of a right rectangular prism by packing with cubic units and counting. G5 M6 Lesson 29: Solidify the vocabulary of geometry. G5 M6 Lesson 30: Solidify the vocabulary of geometry.
5.MD.C.4 Measure volume by counting unit cubes, using cubic centimeters, cubic inches, cubic feet, and improvised units.	G5 M5 Topic A: Concepts of Volume
5.MD.C.5 Relate volume to the operations of multiplication and addition and solve real-world and mathematical problems involving volume of right rectangular prisms.	This standard is fully addressed by the lessons aligned to its subsections.
5.MD.C.5a Find the volume of a right rectangular prism with whole-number side lengths by packing it with unit cubes and show that the volume is the same as would be found by multiplying the edge lengths, equivalently by multiplying the height by the area of the base. Represent whole-number products of three factors as volumes (e.g., to represent the associative property of multiplication).	G5 M5 Lesson 3: Compose and decompose right rectangular prisms using layers. G5 M5 Lesson 4: Use multiplication to calculate volume. G5 M5 Lesson 5: Use multiplication to connect volume as packing with volume as filling.

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5.MD.C.5b

Know and apply the formulas $V=l\times w\times h$ and $V=B\times h$ (where B represents the area of the base) for rectangular prisms with whole number edge lengths in the context of solving real-world and mathematical problems.

G5 M5 Lesson 7: Solve word problems involving the volume of rectangular prisms with whole number edge lengths.

G5 M6 Lesson 28: Solidify fluency with Grade 5 skills.

G5 M6 Lesson 33: Design and construct boxes to house materials for summer use.

G5 M6 Lesson 34: Design and construct boxes to house materials for summer use.

5.MD.C.5c

Recognize volume as additive. Find volumes of solid figures composed of two non-overlapping right rectangular prisms by adding the volumes of the non-overlapping parts, applying this technique to solve real-world problems.

G5 M5 Lesson 6: Find the total volume of solid figures composed of two non-overlapping rectangular prisms.

G5 M5 Lesson 8: Apply concepts and formulas of volume to design a sculpture using rectangular prisms within given parameters.

G5 M5 Lesson 9: Apply concepts and formulas of volume to design a sculpture using rectangular prisms within given parameters.

Geometry

5.G.A Graph points on the coordinate plane to solve real-world and mathematical problems.

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5.G.A.1

Graph ordered pairs and label points using the first quadrant of the coordinate plane. Understand in the ordered pair that the first number indicates the horizontal distance traveled along the x-axis from the origin and the second number indicates the vertical distance traveled along the y-axis, with the convention that the names of the two axes and the coordinates correspond (e.g., x-axis and y-coordinate).

G5 M6 Topic A: Coordinate Systems

G5 M6 Lesson 7: Plot points, use them to draw lines in the plane, and describe patterns within the coordinate pairs.

G5 M6 Lesson 14: Construct parallel line segments, and analyze relationships of the coordinate pairs.

G5 M6 Lesson 16: Construct perpendicular line segments, and analyze relationships of the coordinate pairs.

5.G.A.2

Represent real-world and mathematical problems by graphing points in the first quadrant of the coordinate plane and interpret coordinate values of points in the context of the situation.

G5 M6 Lesson 14: Construct parallel line segments, and analyze relationships of the coordinate pairs.

G5 M6 Lesson 16: Construct perpendicular line segments, and analyze relationships of the coordinate pairs.

G5 M6 Lesson 19: Plot data on line graphs and analyze trends.

G5 M6 Lesson 20: Use coordinate systems to solve real world problems.

G5 M6 Lesson 21: Make sense of complex, multi-step problems, and persevere in solving them. Share and critique peer solutions.

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Geometry

5.G.B Classify two-dimensional figures into categories based on their properties.

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Aligned Components of Eureka Math

5.G.B.3

Classify two-dimensional figures in a hierarchy based on properties. Understand that attributes belonging to a category of two-dimensional figures also belong to all subcategories of that category.

G5 M5 Topic D: Drawing, Analysis, and Classification of Two-Dimensional Shapes

G5 M6 Lesson 29: Solidify the vocabulary of geometry.

G5 M6 Lesson 30: Solidify the vocabulary of geometry.