

A Correlation of

**Missouri Learning Standards for
Mathematics 2016, Grade 5**



To the

enVision® Mathematics

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Introduction

enVision® Mathematics ©2020 is the latest offering of the nationally recognized Grades K-12 series, created for print, digital, and blended instruction. Problem-Based Learning connects with Visual Learning to deep conceptual understanding. Interactive multimedia experiences engage learners in student choice and solving rich problems. Extensive customization and differentiation options empower every teacher and student.

UNDERSTANDING

A simple lesson design provides a clear, intentional pathway. Starting on a firm foundation of conceptual understanding, students can connect and apply math ideas in amazing ways. High-interest math projects invite all students to be active participants.

A simple lesson design provides a clear, intentional pathway.

STEP 1 Problem-Based Learning

STEP 2 Visual Learning

STEP 3 Assess and Differentiate

ASSESSMENT

The enVision Assessment Suite offers options to move students toward mastery of state standards while driving instructional differentiation.

DIAGNOSTIC Assessment

Reading Test, Diagnostic Test (Math Diagnosis and Intervention System), Review What You Know

FORMATIVE Assessment

SCOUT Observational Assessment used during Solve & Share, Do You Understand?

And Convince Me! Guide Practice, Quick Check

SUMMATIVE Assessment

Topic Assessments, Topic Performance Assessments, Examview Test Generator, Fluency Assessments, Cumulative/Benchmarks Assessments, Progress Monitoring Assessments

INSTRUCTIONAL SUPPORT

Gain a new perspective on your teaching with embedded strategies, methods, and a wide range of Professional Development opportunities in print and digital formats.

Ideas, Inspiration, and Teaching Methods

Math background for every Topic and Lesson serves as an easy-to-access math methods course.

Make every lesson perfect for you. Access all digital content, assessments, and management tools Realize.com.

Kids See the Math. Teachers See Results.

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Topic 1: Understand Place Value	
Lesson 1-1: Patterns with Exponents and Powers of 10	5.NBT.A.4 Evaluate the value of powers of 10 and understand the relationship to the place value system.
Lesson 1-2: Understand Whole-Number Place Value	5.NBT.A.3 Understand that in a multi-digit number, a digit represents 1/10 times what it would represent in the place to its left.
Lesson 1-3: Decimals to Thousandths	5.NBT.A.3 Understand that in a multi-digit number, a digit represents 1/10 times what it would represent in the place to its left. 5.NBT.A.1 Read, write and identify numbers from billions to thousandths using number names, base ten numerals and expanded form.
Lesson 1-4: Understand Decimal Place Value	5.NBT.A.1 Read, write and identify numbers from billions to thousandths using number names, base ten numerals and expanded form.
Lesson 1-5: Compare Decimals	5.NF.A.3 Compare and order fractions and/or decimals to the thousandths place using the symbols $>$, $=$ or $<$, and justify the solution. 5.NBT.A.2 Compare two numbers from billions to thousandths using the symbols $>$, $=$ or $<$, and justify the solution.
Lesson 1-6: Round Decimals	5.NBT.A.5 Round numbers from billions to thousandths place.
Lesson 1-7: Problem Solving: Look For and Use Structure	5.NBT.A.1 Read, write and identify numbers from billions to thousandths using number names, base ten numerals and expanded form. 5.NBT.A.2 Compare two numbers from billions to thousandths using the symbols $>$, $=$ or $<$, and justify the solution. 5.RA.C.5 Solve and justify multi-step problems involving variables, whole numbers, fractions and decimals.

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Topic 2: Use Models and Strategies to Add and Subtract Decimals	
Lesson 2-1: Mental Math	5.NBT.A.6 Add and subtract multi-digit whole numbers and decimals to the thousandths place, and justify the solution. 5.NBT.A.5 Round numbers from billions to thousandths place.
Lesson 2-2: Estimate Sums and Differences of Decimals	5.NBT.A.6 Add and subtract multi-digit whole numbers and decimals to the thousandths place, and justify the solution. 5.NBT.A.5 Round numbers from billions to thousandths place. 5.NF.B.4 Estimate results of sums, differences and products with fractions and decimals to the thousandths.
Lesson 2-3: Use Models to Add and Subtract Decimals	5.NBT.A.6 Add and subtract multi-digit whole numbers and decimals to the thousandths place, and justify the solution.
Lesson 2-4: Use Strategies to Add Decimals	5.NBT.A.6 Add and subtract multi-digit whole numbers and decimals to the thousandths place, and justify the solution.
Lesson 2-5: Use Strategies to Subtract Decimals	5.NBT.A.6 Add and subtract multi-digit whole numbers and decimals to the thousandths place, and justify the solution.
Lesson 2-6: Problem Solving: Model with Math	5.NBT.A.6 Add and subtract multi-digit whole numbers and decimals to the thousandths place, and justify the solution.
Topic 3: Fluently Multiply Multi-Digit Whole Numbers	
Lesson 3-1: Multiply Greater Numbers by Powers of 10	5.NBT.A.4 Evaluate the value of powers of 10 and understand the relationship to the place value system. 5.NBT.A.3 Understand that in a multi-digit number, a digit represents $\frac{1}{10}$ times what it would represent in the place to its left.
Lesson 3-2: Estimate Products	5.NBT.A.7 Multiply multi-digit whole numbers and decimals to the hundredths place, and justify the solution. 5.NF.B.4 Estimate results of sums, differences and products with fractions and decimals to the thousandths.
Lesson 3-3: Multiply by 1-Digit Numbers	5.NBT.A.7 Multiply multi-digit whole numbers and decimals to the hundredths place, and justify the solution.

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Lesson 3-4: Multiply 2-Digit by 2-Digit Numbers	5.NBT.A.7 Multiply multi-digit whole numbers and decimals to the hundredths place, and justify the solution.
Lesson 3-5: Multiply 3-Digit by 2-Digit Numbers	5.NBT.A.7 Multiply multi-digit whole numbers and decimals to the hundredths place, and justify the solution.
Lesson 3-6: Multiply Whole Numbers with Zeros	5.NBT.A.7 Multiply multi-digit whole numbers and decimals to the hundredths place, and justify the solution. 5.NF.B.4 Estimate results of sums, differences and products with fractions and decimals to the thousandths.
Lesson 3-7: Practice Multiplying Multi-Digit Numbers	5.NBT.A.7 Multiply multi-digit whole numbers and decimals to the hundredths place, and justify the solution. 5.NF.B.4 Estimate results of sums, differences and products with fractions and decimals to the thousandths.
Lesson 3-8: Solve Word Problems Using Multiplication	5.NBT.A.7 Multiply multi-digit whole numbers and decimals to the hundredths place, and justify the solution. 5.NF.B.4 Estimate results of sums, differences and products with fractions and decimals to the thousandths.
Lesson 3-9: Problem Solving: Critique Reasoning	5.NBT.A.7 Multiply multi-digit whole numbers and decimals to the hundredths place, and justify the solution. 5.NF.B.4 Estimate results of sums, differences and products with fractions and decimals to the thousandths.
Topic 4: Use Models and Strategies to Multiply Decimals	
Lesson 4-1: Multiply Decimals by Powers of 10	5.NBT.A.4 Evaluate the value of powers of 10 and understand the relationship to the place value system. 5.NBT.A.7 Multiply multi-digit whole numbers and decimals to the hundredths place, and justify the solution.
Lesson 4-2: Estimate the Product of a Decimal and a Whole Number	5.NF.B.4 Estimate results of sums, differences and products with fractions and decimals to the thousandths. 5.NBT.A.7 Multiply multi-digit whole numbers and decimals to the hundredths place, and justify the solution.

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Lesson 4-3: Use Models to Multiply a Decimal and a Whole Number	5.NBT.A.7 Multiply multi-digit whole numbers and decimals to the hundredths place, and justify the solution.
Lesson 4-4: Multiply a Decimal by a Whole Number	5.NBT.A.7 Multiply multi-digit whole numbers and decimals to the hundredths place, and justify the solution.
Lesson 4-5: Use Models to Multiply a Decimal and a Decimal	5.NBT.A.7 Multiply multi-digit whole numbers and decimals to the hundredths place, and justify the solution.
Lesson 4-6: Multiply Decimals Using Partial Products	5.NBT.A.7 Multiply multi-digit whole numbers and decimals to the hundredths place, and justify the solution. 5.NF.B.4 Estimate results of sums, differences and products with fractions and decimals to the thousandths.
Lesson 4-7: Use Properties to Multiply Decimals	5.NBT.A.7 Multiply multi-digit whole numbers and decimals to the hundredths place, and justify the solution. 5.NF.B.4 Estimate results of sums, differences and products with fractions and decimals to the thousandths.
Lesson 4-8: Use Number Sense to Multiply Decimals	5.NBT.A.7 Multiply multi-digit whole numbers and decimals to the hundredths place, and justify the solution. 5.NF.B.4 Estimate results of sums, differences and products with fractions and decimals to the thousandths.
Lesson 4-9: Problem Solving: Model with Math	5.RA.C.5 Solve and justify multi-step problems involving variables, whole numbers, fractions and decimals. 5.NBT.A.7 Multiply multi-digit whole numbers and decimals to the hundredths place, and justify the solution.
Topic 5: Use Models and Strategies to Divide Whole Numbers	
Lesson 5-1: Use Patterns and Mental Math to Divide	5.NBT.A.8 Divide multi-digit whole numbers and decimals to the hundredths place using up to two-digit divisors and four-digit dividends, and justify the solution.
Lesson 5-2: Estimate Quotients with 2-Digit Divisors	5.NBT.A.8 Divide multi-digit whole numbers and decimals to the hundredths place using up to two-digit divisors and four-digit dividends, and justify the solution.

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Lesson 5-3: Use Models and Properties to Divide with 2-Digit Divisors	5.NBT.A.8 Divide multi-digit whole numbers and decimals to the hundredths place using up to two-digit divisors and four-digit dividends, and justify the solution.
Lesson 5-4: Use Partial Quotients to Divide	5.NBT.A.8 Divide multi-digit whole numbers and decimals to the hundredths place using up to two-digit divisors and four-digit dividends, and justify the solution.
Lesson 5-5: Use Sharing to Divide: Two-Digit Divisors	5.NBT.A.8 Divide multi-digit whole numbers and decimals to the hundredths place using up to two-digit divisors and four-digit dividends, and justify the solution.
Lesson 5-6: Use Sharing to Divide: Greater Dividends	5.NBT.A.8 Divide multi-digit whole numbers and decimals to the hundredths place using up to two-digit divisors and four-digit dividends, and justify the solution.
Lesson 5-7: Choose a Strategy to Divide	5.NBT.A.8 Divide multi-digit whole numbers and decimals to the hundredths place using up to two-digit divisors and four-digit dividends, and justify the solution.
Lesson 5-8: Problem Solving: Make Sense and Persevere	5.NBT.A.8 Divide multi-digit whole numbers and decimals to the hundredths place using up to two-digit divisors and four-digit dividends, and justify the solution. 5.RA.C.5 Solve and justify multi-step problems involving variables, whole numbers, fractions and decimals.
<p>Topic 6: Use Models and Strategies to Divide Decimals</p>	
Lesson 6-1: Patterns for Dividing with Decimals	5.NBT.A.4 Evaluate the value of powers of 10 and understand the relationship to the place value system. 5.NBT.A.8 Divide multi-digit whole numbers and decimals to the hundredths place using up to two-digit divisors and four-digit dividends, and justify the solution.
Lesson 6-2: Estimate Decimal Quotients	5.NBT.A.8 Divide multi-digit whole numbers and decimals to the hundredths place using up to two-digit divisors and four-digit dividends, and justify the solution. 5.NBT.A.5 Round numbers from billions to thousandths place.

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Lesson 6-3: Use Models to Divide by a 1-Digit Whole Number	5.NBT.A.8 Divide multi-digit whole numbers and decimals to the hundredths place using up to two-digit divisors and four-digit dividends, and justify the solution.
Lesson 6-4: Divide Decimals by a 2-Digit Whole Number	5.NBT.A.8 Divide multi-digit whole numbers and decimals to the hundredths place using up to two-digit divisors and four-digit dividends, and justify the solution.
Lesson 6-5: Divide by a Decimal	5.NBT.A.8 Divide multi-digit whole numbers and decimals to the hundredths place using up to two-digit divisors and four-digit dividends, and justify the solution.
Lesson 6-6: Problem Solving: Reasoning	5.NBT.A.8 Divide multi-digit whole numbers and decimals to the hundredths place using up to two-digit divisors and four-digit dividends, and justify the solution. 5.RA.C.5 Solve and justify multi-step problems involving variables, whole numbers, fractions and decimals.
Topic 7: Use Equivalent Fractions to Add and Subtract Fractions	
Lesson 7-1: Estimate Sums and Differences of Fractions	5.NF.B.6 Solve problems involving addition and subtraction of fractions and mixed numbers with unlike denominators, and justify the solution. 5.NF.B.4 Estimate results of sums, differences and products with fractions and decimals to the thousandths.
Lesson 7-2: Find Common Denominators	5.NF.B.6 Solve problems involving addition and subtraction of fractions and mixed numbers with unlike denominators, and justify the solution.
Lesson 7-3: Add Fractions with Unlike Denominators	5.NF.B.6 Solve problems involving addition and subtraction of fractions and mixed numbers with unlike denominators, and justify the solution. 5.RA.C.5 Solve and justify multi-step problems involving variables, whole numbers, fractions and decimals. 5.NF.A.1 Understand that parts of a whole can be expressed as fractions and/or decimals.
Lesson 7-4: Subtract Fractions with Unlike Denominators	5.NF.B.6 Solve problems involving addition and subtraction of fractions and mixed numbers with unlike denominators, and justify the solution. 5.NF.A.1 Understand that parts of a whole can be expressed as fractions and/or decimals.

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<p>Lesson 7-5: Add and Subtract Fractions</p>	<p>5.NF.B.6 Solve problems involving addition and subtraction of fractions and mixed numbers with unlike denominators, and justify the solution. 5.NF.B.4 Estimate results of sums, differences and products with fractions and decimals to the thousandths. 5.RA.C.5 Solve and justify multi-step problems involving variables, whole numbers, fractions and decimals. 5.NF.A.1 Understand that parts of a whole can be expressed as fractions and/or decimals.</p>
<p>Lesson 7-6: Estimate Sums and Differences of Mixed Numbers</p>	<p>5.NF.B.6 Solve problems involving addition and subtraction of fractions and mixed numbers with unlike denominators, and justify the solution. 5.NF.B.4 Estimate results of sums, differences and products with fractions and decimals to the thousandths. 5.NBT.A.5 Round numbers from billions to thousandths place.</p>
<p>Lesson 7-7: Use Models to Add Mixed Numbers</p>	<p>5.NF.B.6 Solve problems involving addition and subtraction of fractions and mixed numbers with unlike denominators, and justify the solution. 5.NF.B.4 Estimate results of sums, differences and products with fractions and decimals to the thousandths. 5.NF.A.1 Understand that parts of a whole can be expressed as fractions and/or decimals.</p>
<p>Lesson 7-8: Add Mixed Numbers</p>	<p>5.NF.B.6 Solve problems involving addition and subtraction of fractions and mixed numbers with unlike denominators, and justify the solution. 5.NF.B.4 Estimate results of sums, differences and products with fractions and decimals to the thousandths.</p>
<p>Lesson 7-9: Use Models to Subtract Mixed Numbers</p>	<p>5.NF.B.6 Solve problems involving addition and subtraction of fractions and mixed numbers with unlike denominators, and justify the solution. 5.NF.B.4 Estimate results of sums, differences and products with fractions and decimals to the thousandths. 5.NF.A.3 Compare and order fractions and/or decimals to the thousandths place using the symbols $>$, $=$ or $<$, and justify the solution.</p>

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<p>Lesson 7-10: Subtract Mixed Numbers</p>	<p>5.NF.B.6 Solve problems involving addition and subtraction of fractions and mixed numbers with unlike denominators, and justify the solution. 5.NF.B.4 Estimate results of sums, differences and products with fractions and decimals to the thousandths.</p>
<p>Lesson 7-11: Add and Subtract Mixed Numbers</p>	<p>5.NF.B.6 Solve problems involving addition and subtraction of fractions and mixed numbers with unlike denominators, and justify the solution. 5.NF.B.4 Estimate results of sums, differences and products with fractions and decimals to the thousandths. 5.NBT.A.5 Round numbers from billions to thousandths place. 5.RA.C.5 Solve and justify multi-step problems involving variables, whole numbers, fractions and decimals.</p>
<p>Lesson 7-12: Problem Solving: Model with Math</p>	<p>5.NF.B.6 Solve problems involving addition and subtraction of fractions and mixed numbers with unlike denominators, and justify the solution. 5.RA.C.5 Solve and justify multi-step problems involving variables, whole numbers, fractions and decimals.</p>
<p>Topic 8: Apply Understanding of Multiplication to Multiply Fractions</p>	
<p>Lesson 8-1: Multiply a Fraction by a Whole Number</p>	<p>5.NF.B.7 Extend the concept of multiplication to multiply a fraction or whole number by a fraction. 5.NF.B.7a Recognize the relationship between multiplying fractions and finding the areas of rectangles with fractional side lengths. 5.NF.B.7b Calculate and interpret the product of a fraction by a whole number and a whole number by a fraction. 5.NF.B.7c Calculate and interpret the product of two fractions less than one.</p>
<p>Lesson 8-2: Multiply a Whole Number by a Fraction</p>	<p>5.NF.B.7 Extend the concept of multiplication to multiply a fraction or whole number by a fraction. 5.NF.B.7a Recognize the relationship between multiplying fractions and finding the areas of rectangles with fractional side lengths. 5.NF.B.7b Calculate and interpret the product of a fraction by a whole number and a whole number by a fraction. 5.NF.B.7c Calculate and interpret the product of two fractions less than one.</p>

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<p>Lesson 8-3: Multiply Fractions and Whole Numbers</p>	<p>5.NF.B.7 Extend the concept of multiplication to multiply a fraction or whole number by a fraction. 5.NF.B.7a Recognize the relationship between multiplying fractions and finding the areas of rectangles with fractional side lengths. 5.NF.B.7b Calculate and interpret the product of a fraction by a whole number and a whole number by a fraction. 5.NF.B.7c Calculate and interpret the product of two fractions less than one.</p>
<p>Lesson 8-4: Use Models to Multiply Two Fractions</p>	<p>5.NF.B.7 Extend the concept of multiplication to multiply a fraction or whole number by a fraction. 5.NF.B.7a Recognize the relationship between multiplying fractions and finding the areas of rectangles with fractional side lengths. 5.NF.B.7b Calculate and interpret the product of a fraction by a whole number and a whole number by a fraction. 5.NF.B.7c Calculate and interpret the product of two fractions less than one.</p>
<p>Lesson 8-5: Multiply Two Fractions</p>	<p>5.NF.B.7 Extend the concept of multiplication to multiply a fraction or whole number by a fraction. 5.NF.B.7a Recognize the relationship between multiplying fractions and finding the areas of rectangles with fractional side lengths. 5.NF.B.7b Calculate and interpret the product of a fraction by a whole number and a whole number by a fraction. 5.NF.B.7c Calculate and interpret the product of two fractions less than one.</p>
<p>Lesson 8-6: Area of a Rectangle</p>	<p>5.NF.B.7 Extend the concept of multiplication to multiply a fraction or whole number by a fraction. 5.NF.B.7a Recognize the relationship between multiplying fractions and finding the areas of rectangles with fractional side lengths. 5.NF.B.7b Calculate and interpret the product of a fraction by a whole number and a whole number by a fraction. 5.NF.B.7c Calculate and interpret the product of two fractions less than one.</p>
<p>Lesson 8-7: Multiply Mixed Numbers</p>	<p>5.NF.B.5 Justify the reasonableness of a product when multiplying with fractions.</p>

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Lesson 8-8: Multiplication as Scaling	5.NF.B.5 Justify the reasonableness of a product when multiplying with fractions. 5.NF.B.5a Estimate the size of the product based on the size of the two factors. 5.NF.B.5b Explain why multiplying a given number by a fraction greater than 1 results in a product larger than the given number. 5.NF.B.5c Explain why multiplying a given number by a fraction less than 1 results in a product smaller than the given number.
Lesson 8-9: Problem Solving: Make Sense and Persevere	5.NF.B.6 Solve problems involving addition and subtraction of fractions and mixed numbers with unlike denominators, and justify the solution. 5.RA.C.5 Solve and justify multi-step problems involving variables, whole numbers, fractions and decimals.
Topic 9: Apply Understanding of Division to Divide Fractions	
Lesson 9-1: Fractions and Division	5.NF.B.8 Extend the concept of division to divide unit fractions and whole numbers by using visual fraction models and equations. 5.NF.B.8a Calculate and interpret the quotient of a unit fraction by a non-zero whole number. 5.NF.B.8b Calculate and interpret the quotient of a whole number by a unit fraction.
Lesson 9-2: Fractions and Mixed Numbers as Quotients	5.NF.B.8 Extend the concept of division to divide unit fractions and whole numbers by using visual fraction models and equations. 5.NF.B.8a Calculate and interpret the quotient of a unit fraction by a non-zero whole number.
Lesson 9-3: Use Multiplication to Divide	5.NF.B.8 Extend the concept of division to divide unit fractions and whole numbers by using visual fraction models and equations. 5.NF.B.8a Calculate and interpret the quotient of a unit fraction by a non-zero whole number. 5.NF.B.8b Calculate and interpret the quotient of a whole number by a unit fraction.
Lesson 9-4: Divide Whole Numbers by Unit Fractions	5.NF.B.8 Extend the concept of division to divide unit fractions and whole numbers by using visual fraction models and equations. 5.NF.B.8b Calculate and interpret the quotient of a whole number by a unit fraction.
Lesson 9-5: Divide Unit Fractions by Non-Zero Whole Numbers	5.NF.B.8 Extend the concept of division to divide unit fractions and whole numbers by using visual fraction models and equations. 5.NF.B.8a Calculate and interpret the quotient of a unit fraction by a non-zero whole number.

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<p>Lesson 9-6: Divide Whole Numbers and Unit Fractions</p>	<p>5.NF.B.8 Extend the concept of division to divide unit fractions and whole numbers by using visual fraction models and equations. 5.NF.B.8a Calculate and interpret the quotient of a unit fraction by a non-zero whole number. 5.NF.B.8b Calculate and interpret the quotient of a whole number by a unit fraction.</p>
<p>Lesson 9-7: Solve Problems Using Division</p>	<p>5.NF.B.8 Extend the concept of division to divide unit fractions and whole numbers by using visual fraction models and equations. 5.RA.C.5 Solve and justify multi-step problems involving variables, whole numbers, fractions and decimals.</p>
<p>Lesson 9-8: Problem Solving: Repeated Reasoning</p>	<p>5.NF.B.8 Extend the concept of division to divide unit fractions and whole numbers by using visual fraction models and equations. 5.RA.C.5 Solve and justify multi-step problems involving variables, whole numbers, fractions and decimals.</p>
<p>Topic 10: Represent and Interpret Data</p>	
<p>Lesson 10-1: Analyze Line Plots</p>	<p>5.DS.A.1 Create a line graph to represent a data set, and analyze the data to answer questions and solve problems. 5.DS.A.2 Create a line plot to represent a given or generated data set, and analyze the data to answer questions and solve problems, recognizing the outliers and generating the median.</p>
<p>Lesson 10-2: Make Line Plots</p>	<p>5.DS.A.1 Create a line graph to represent a data set, and analyze the data to answer questions and solve problems. 5.RA.C.5 Solve and justify multi-step problems involving variables, whole numbers, fractions and decimals.</p>
<p>Lesson 10-3: Solve Word Problems Using Measurement Data</p>	<p>5.DS.A.2 Create a line plot to represent a given or generated data set, and analyze the data to answer questions and solve problems, recognizing the outliers and generating the median. 5.DS.A.1 Create a line graph to represent a data set, and analyze the data to answer questions and solve problems. 5.NF.B.6 Solve problems involving addition and subtraction of fractions and mixed numbers with unlike denominators, and justify the solution.</p>

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Lesson 10-4: Problem Solving: Critique Reasoning	5.DS.A.2 Create a line plot to represent a given or generated data set, and analyze the data to answer questions and solve problems, recognizing the outliers and generating the median. 5.DS.A.1 Create a line graph to represent a data set, and analyze the data to answer questions and solve problems. 5.NF.B.6 Solve problems involving addition and subtraction of fractions and mixed numbers with unlike denominators, and justify the solution.
Topic 11: Understand Volume Concepts	
Lesson 11-1: Model Volume	5.GM.B.4 Understand the concept of volume and recognize that volume is measured in cubic units. 5.GM.B.4a Describe a cube with edge length 1 unit as a “unit cube” and is said to have “one cubic unit” of volume and can be used to measure volume.
Lesson 11-2: Develop a Volume Formula	5.GM.B.4 Understand the concept of volume and recognize that volume is measured in cubic units. 5.GM.B.4b Understand that the volume of a right rectangular prism can be found by stacking multiple layers of the base. 5.GM.B.5 Apply the formulas $V = l \times w \times h$ and $V = B \times h$ for volume of right rectangular prisms with whole-number edge lengths.
Lesson 11-3: Combine Volumes of Prisms	5.GM.B.5 Apply the formulas $V = l \times w \times h$ and $V = B \times h$ for volume of right rectangular prisms with whole-number edge lengths. 5.GM.A.3 Analyze and describe the properties of prisms and pyramids.
Lesson 11-4: Solve Word Problems Using Volume	5.GM.B.5 Apply the formulas $V = l \times w \times h$ and $V = B \times h$ for volume of right rectangular prisms with whole-number edge lengths.
Lesson 11-5: Problem Solving: Use Appropriate Tools	5.GM.B.4a Describe a cube with edge length 1 unit as a “unit cube” and is said to have “one cubic unit” of volume and can be used to measure volume. 5.GM.B.4b Understand that the volume of a right rectangular prism can be found by stacking multiple layers of the base. 5.GM.B.4 Understand the concept of volume and recognize that volume is measured in cubic units. 5.GM.A.3 Analyze and describe the properties of prisms and pyramids.

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Topic 12: Convert Measurements	
Lesson 12-1: Convert Customary Units of Length	5.GM.D.8 Convert measurements of capacity, length and weight within a given measurement system. 5.GM.D.9 Solve multi-step problems that require measurement conversions.
Lesson 12-2: Convert Customary Units of Capacity	5.GM.D.8 Convert measurements of capacity, length and weight within a given measurement system. 5.GM.D.9 Solve multi-step problems that require measurement conversions.
Lesson 12-3: Convert Customary Units of Weight	5.GM.D.8 Convert measurements of capacity, length and weight within a given measurement system. 5.GM.D.9 Solve multi-step problems that require measurement conversions.
Lesson 12-4: Convert Metric Units of Length	5.GM.D.8 Convert measurements of capacity, length and weight within a given measurement system. 5.GM.D.9 Solve multi-step problems that require measurement conversions. 5.NBT.A.4 Evaluate the value of powers of 10 and understand the relationship to the place value system.
Lesson 12-5: Convert Metric Units of Capacity	5.GM.D.8 Convert measurements of capacity, length and weight within a given measurement system. 5.GM.D.9 Solve multi-step problems that require measurement conversions. 5.NBT.A.4 Evaluate the value of powers of 10 and understand the relationship to the place value system.
Lesson 12-6: Convert Metric Units of Mass	5.GM.D.8 Convert measurements of capacity, length and weight within a given measurement system. 5.GM.D.9 Solve multi-step problems that require measurement conversions. 5.NBT.A.4 Evaluate the value of powers of 10 and understand the relationship to the place value system.
Lesson 12-7: Convert Units of Time	5.GM.D.8 Convert measurements of capacity, length and weight within a given measurement system. 5.GM.D.9 Solve multi-step problems that require measurement conversions.

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Lesson 12-8: Solve Word Problems Using Measurement Conversions	5.GM.D.8 Convert measurements of capacity, length and weight within a given measurement system. 5.GM.D.9 Solve multi-step problems that require measurement conversions.
Lesson 12-9: Problem Solving: Precision	5.GM.D.8 Convert measurements of capacity, length and weight within a given measurement system. 5.GM.D.9 Solve multi-step problems that require measurement conversions.
Topic 13: Write and Interpret Numerical Expressions	
Lesson 13-1: Evaluate Expressions	5.RA.B.3 Write, evaluate and interpret numeric expressions using the order of operations.
Lesson 13-2: Write Numerical Expressions	5.RA.B.4 Translate written expressions into algebraic expressions. 5.RA.B.3 Write, evaluate and interpret numeric expressions using the order of operations.
Lesson 13-3: Interpret Numerical Expressions	5.RA.B.4 Translate written expressions into algebraic expressions.
Lesson 13-4: Problem Solving: Reasoning	5.RA.B.3 Write, evaluate and interpret numeric expressions using the order of operations.
Topic 14: Graph Points on the Coordinate Plane	
Lesson 14-1: The Coordinate System	5.GM.C.6 Define a first quadrant Cartesian coordinate system. 5.GM.C.6a Represent the axes as scaled perpendicular number lines that both intersect at 0, the origin. 5.GM.C.6b Identify any point on the Cartesian coordinate plane by its ordered pair coordinates. 5.GM.C.6c Define the first number in an ordered pair as the horizontal distance from the origin. 5.GM.C.6d Define the second number in an ordered pair as the vertical distance from the origin.

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<p>Lesson 14-2: Graph Data Using Ordered Pairs</p>	<p>5.GM.C.7 Plot and interpret points in the first quadrant of the Cartesian coordinate plane. 5.GM.C.6 Define a first quadrant Cartesian coordinate system. 5.GM.C.6a Represent the axes as scaled perpendicular number lines that both intersect at 0, the origin. 5.GM.C.6b Identify any point on the Cartesian coordinate plane by its ordered pair coordinates. 5.GM.C.6c Define the first number in an ordered pair as the horizontal distance from the origin. 5.GM.C.6d Define the second number in an ordered pair as the vertical distance from the origin.</p>
<p>Lesson 14-3: Solve Problems Using Ordered Pairs</p>	<p>5.GM.C.7 Plot and interpret points in the first quadrant of the Cartesian coordinate plane.</p>
<p>Lesson 14-4: Problem Solving: Reasoning</p>	<p>5.GM.C.7 Plot and interpret points in the first quadrant of the Cartesian coordinate plane. 5.GM.C.6 Define a first quadrant Cartesian coordinate system. 5.GM.C.6a Represent the axes as scaled perpendicular number lines that both intersect at 0, the origin. 5.GM.C.6b Identify any point on the Cartesian coordinate plane by its ordered pair coordinates. 5.GM.C.6c Define the first number in an ordered pair as the horizontal distance from the origin. 5.GM.C.6d Define the second number in an ordered pair as the vertical distance from the origin. 5.RA.A.1c Graph numeric patterns on the Cartesian coordinate plane.</p>

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Topic 15: Algebra: Analyze Patterns and Relationships	
Lesson 15-1: Numerical Patterns	5.RA.A.1 Investigate the relationship between two numeric patterns. 5.RA.A.1a Generate two numeric patterns given two rules. 5.RA.A.1b Translate two numeric patterns into two sets of ordered pairs. 5.RA.A.1c Graph numeric patterns on the Cartesian coordinate plane. Identify the relationship between two numeric patterns. 5.RA.A.2 Write a rule to describe or explain a given numeric pattern.
Lesson 15-2: More Numerical Patterns	5.RA.A.1 Investigate the relationship between two numeric patterns. 5.RA.A.1a Generate two numeric patterns given two rules. 5.RA.A.1b Translate two numeric patterns into two sets of ordered pairs. 5.RA.A.1c Graph numeric patterns on the Cartesian coordinate plane. Identify the relationship between two numeric patterns. 5.RA.A.2 Write a rule to describe or explain a given numeric pattern.
Lesson 15-3: Analyze and Graph Relationships	5.RA.A.1 Investigate the relationship between two numeric patterns. 5.RA.A.1a Generate two numeric patterns given two rules. 5.RA.A.1b Translate two numeric patterns into two sets of ordered pairs. 5.RA.A.1c Graph numeric patterns on the Cartesian coordinate plane. Identify the relationship between two numeric patterns. 5.GM.C.7 Plot and interpret points in the first quadrant of the Cartesian coordinate plane. 5.RA.A.2 Write a rule to describe or explain a given numeric pattern.
Lesson 15-4: Problem Solving: Make Sense and Persevere	5.RA.A.1 Investigate the relationship between two numeric patterns. 5.RA.A.1a Generate two numeric patterns given two rules. 5.RA.A.1b Translate two numeric patterns into two sets of ordered pairs. 5.RA.A.1c Graph numeric patterns on the Cartesian coordinate plane. Identify the relationship between two numeric patterns. 5.RA.A.2 Write a rule to describe or explain a given numeric pattern.

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Topic 16: Geometric Measurement: Classify Two-Dimensional Figures	
Lesson 16-1: Classify Triangles	5.GM.A.1 Understand that attributes belonging to a category of figures also belong to all subcategories. 5.GM.A.2 Classify figures in a hierarchy based on properties.
Lesson 16-2: Classify Quadrilaterals	5.GM.A.1 Understand that attributes belonging to a category of figures also belong to all subcategories. 5.GM.A.2 Classify figures in a hierarchy based on properties.
Lesson 16-3: Continue to Classify Quadrilaterals	5.GM.A.1 Understand that attributes belonging to a category of figures also belong to all subcategories. 5.GM.A.2 Classify figures in a hierarchy based on properties.
Lesson 16-4: Problem Solving: Construct Arguments	5.GM.A.1 Understand that attributes belonging to a category of figures also belong to all subcategories. 5.GM.A.2 Classify figures in a hierarchy based on properties.

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