

An Alignment of
**Nebraska College and Career Ready
Standards for Mathematics 2015**

To the Lessons of

enVisionmath[®]2.0

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Grade 6

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Introduction

enVisionmath2.0 is a comprehensive K-6 mathematics curriculum that provides the focus, coherence, and rigor required by the CCSSM. **enVisionmath2.0** offers a balanced instructional model with an emphasis on conceptual understanding, fluency, and application through rigorous problem solving. Savvas Realize online learning management system offers the flexibility and data teachers need to customize content and monitor student progress so that all students demonstrate proficiency in the CCSSM.

The new **enVisionmath2.0** is organized to promote **Focus, Coherence, and Rigor**.

- Focus on **Common Core Clusters**
- Develop **Coherence** across and within grades
- **Conceptual Understanding** lays the foundation for **Rigor**

Problem-based learning and visual learning personalize learning of rigorous mathematics! The new **enVisionmath2.0** program engages learners with:

- Interactive learning aids and video tutorials
- Personalized practice and immediate feedback
- Built-in RtI activities in multiple modalities

The new **enVisionmath2.0** program lets you customize content, auto-assign differentiation, and use assessment data quickly and easily to adjust instruction for your learners.

- Upload district content and other favorite resources
- Customize topics and lessons
- Assess in the format of the new high-stakes assessments

enVisionmath2.0 is the next evolution of a proven program that supports the latest interpretation of the CCSSM and the Next Generation assessment objectives.

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Topic 1 Algebra: Understand Numerical and Algebraic Expressions	
1-1 Exponents	<p>MA 6.1.1.b Represent non-negative whole numbers using exponential notation.</p> <p>MA 6.1.2.b Evaluate expressions with positive exponents.</p>
1-2 Evaluate Numerical Expressions	<p>MA 6.1.1.b Represent non-negative whole numbers using exponential notation.</p> <p>MA 6.1.2.b Evaluate expressions with positive exponents.</p> <p>MA 6.2.1.b Recognize and generate equivalent algebraic expressions involving distributive property and combining like terms.</p> <p>MA 6.2.2.a Simplify expressions using the distributive property and combining like terms.</p> <p>MA 6.2.2.c Evaluate numerical expressions, including absolute value and exponents, with respect to order of operations.</p>
1-3 Use Variables to Write Expressions	<p>MA 6.2.1.a Create algebraic expressions (e.g., one operation, one variable as well as multiple operations, one variable) from word phrases.</p> <p>MA 6.2.2.c Evaluate numerical expressions, including absolute value and exponents, with respect to order of operations.</p>
1-4 Identify Parts of an Expression	<p>MA 6.2.2.c Evaluate numerical expressions, including absolute value and exponents, with respect to order of operations.</p>
1-5 Evaluate Algebraic Expressions	<p>MA 6.2.2.d Given the value of the variable, evaluate algebraic expressions (which may include absolute value) with respect to order of operations (non-negative rational numbers).</p>

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1-6 Write Equivalent Expressions	<p>MA 6.2.1.b Recognize and generate equivalent algebraic expressions involving distributive property and combining like terms.</p> <p>MA 6.2.2.a Simplify expressions using the distributive property and combining like terms.</p>
1-7 Simplify Algebraic Expressions	<p>MA 6.2.1.b Recognize and generate equivalent algebraic expressions involving distributive property and combining like terms.</p> <p>MA 6.2.2.a Simplify expressions using the distributive property and combining like terms.</p>
1-8 Equivalent Expressions	<p>MA 6.2.1.b Recognize and generate equivalent algebraic expressions involving distributive property and combining like terms.</p> <p>MA 6.2.2.a Simplify expressions using the distributive property and combining like terms.</p>
1-9 Formulas	<p>MA 6.2.2.d Given the value of the variable, evaluate algebraic expressions (which may include absolute value) with respect to order of operations (non-negative rational numbers).</p>
1-10 Math Practices And Problem Solving	<p>MA 6.2.1.b Recognize and generate equivalent algebraic expressions involving distributive property and combining like terms.</p> <p>MA 6.2.2.a Simplify expressions using the distributive property and combining like terms.</p> <p>MA 6.2.2.d Given the value of the variable, evaluate algebraic expressions (which may include absolute value) with respect to order of operations (non-negative rational numbers).</p>

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Topic 2 Algebra: Solve Equations and Inequalities	
2-1 Understand Equations and Solutions	<p>MA 6.2.2.b Use substitution to determine if a given value for a variable makes an equation or inequality true.</p> <p>MA 6.2.2.e Solve one-step equations with non-negative rational numbers using addition, subtraction, multiplication and division.</p>
2-2 Properties of Equality	<p>MA 6.2.2.e Solve one-step equations with non-negative rational numbers using addition, subtraction, multiplication and division.</p> <p>MA 6.2.3.a Write equations (e.g., one operation, one variable) to represent real-world problems involving non-negative rational numbers.</p> <p>MA 6.2.3.b Solve real-world problems involving non-negative rational numbers.</p>
2-3 Solve Addition and Subtraction Equations	<p>MA 6.2.2.e Solve one-step equations with non-negative rational numbers using addition, subtraction, multiplication and division.</p> <p>MA 6.2.3.a Write equations (e.g., one operation, one variable) to represent real-world problems involving non-negative rational numbers.</p> <p>MA 6.2.3.b Solve real-world problems involving non-negative rational numbers.</p>
2-4 Solve Multiplication and Division Equations	<p>MA 6.2.2.e Solve one-step equations with non-negative rational numbers using addition, subtraction, multiplication and division.</p> <p>MA 6.2.3.a Write equations (e.g., one operation, one variable) to represent real-world problems involving non-negative rational numbers.</p> <p>MA 6.2.3.b Solve real-world problems involving non-negative rational numbers.</p>

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2-5 Solve Equations with Fractions	<p>MA 6.2.2.e Solve one-step equations with non-negative rational numbers using addition, subtraction, multiplication and division.</p> <p>MA 6.2.3.a Write equations (e.g., one operation, one variable) to represent real-world problems involving non-negative rational numbers.</p> <p>MA 6.2.3.b Solve real-world problems involving non-negative rational numbers.</p>
2-6 Write Inequalities	<p>MA 6.2.2.b Use substitution to determine if a given value for a variable makes an equation or inequality true.</p> <p>MA 6.2.2.g Represent inequalities on a number line (e.g., graph $x > 3$).</p>
2-7 Solve Inequalities	<p>MA 6.2.2.b Use substitution to determine if a given value for a variable makes an equation or inequality true.</p> <p>MA 6.2.2.e Solve one-step equations with non-negative rational numbers using addition, subtraction, multiplication and division.</p> <p>MA 6.2.2.g Represent inequalities on a number line (e.g., graph $x > 3$).</p>
2-8 Math Practices And Problem Solving	<p>MA 6.2.3.a Write equations (e.g., one operation, one variable) to represent real-world problems involving non-negative rational numbers.</p> <p>MA 6.2.3.b Solve real-world problems involving non-negative rational numbers.</p>
Topic 3 Rational Numbers	
3-1 Understand Integers	<p>MA 6.1.1.c Compare and order rational numbers both on the number line and not on the number line.</p> <p>MA 6.1.1.g Model integers using drawings, words, manipulatives, number lines, and symbols.</p>

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3-2 Rational Numbers on a Number Line	<p>MA 6.1.1.c Compare and order rational numbers both on the number line and not on the number line.</p> <p>MA 6.1.1.g Model integers using drawings, words, manipulatives, number lines, and symbols.</p>
3-3 Compare and Order Rational Numbers	<p>MA 6.1.1.i Determine absolute value of rational numbers.</p>
3-4 Absolute Value	<p>MA 6.1.1.h Compare and order integers and absolute value both on the number line and not on the number line.</p> <p>MA 6.1.1.i Determine absolute value of rational numbers.</p>
3-5 Math Practices And Problem Solving	<p>MA 6.1.1.c Compare and order rational numbers both on the number line and not on the number line.</p> <p>MA 6.1.1.g Model integers using drawings, words, manipulatives, number lines, and symbols.</p>
Topic 4 Algebra: Coordinate Geometry	
4-1 Integers on the Coordinate Plane	<p>MA 6.1.1.c Compare and order rational numbers both on the number line and not on the number line.</p> <p>MA 6.1.1.g Model integers using drawings, words, manipulatives, number lines, and symbols.</p>
4-2 Rational Numbers on the Coordinate Plane	<p>MA 6.1.1.c Compare and order rational numbers both on the number line and not on the number line.</p> <p>MA 6.1.1.g Model integers using drawings, words, manipulatives, number lines, and symbols.</p>
4-3 Distance on the Coordinate Plane	<p>MA 6.3.2.a Identify the ordered pair of a given point in the coordinate plane.</p> <p>MA 6.3.2.b Plot the location of an ordered pair in the coordinate plane.</p>

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(Continued) 4-3 Distance on the Coordinate Plane	<p>MA 6.3.2.c Identify the quadrant of a given point in the coordinate plane.</p> <p>MA 6.3.2.e Calculate vertical and horizontal distances in the coordinate plane to find perimeter and area.</p>
4-4 Polygons on the Coordinate Plane	<p>MA 6.3.2.a Identify the ordered pair of a given point in the coordinate plane.</p> <p>MA 6.3.2.b Plot the location of an ordered pair in the coordinate plane.</p> <p>MA 6.3.2.c Identify the quadrant of a given point in the coordinate plane.</p> <p>MA 6.3.2.d Draw polygons in the coordinate plane given coordinates for the vertices.</p> <p>MA 6.3.2.e Calculate vertical and horizontal distances in the coordinate plane to find perimeter and area.</p>
4-5 Math Practices And Problem Solving	<p>MA 6.3.2.a Identify the ordered pair of a given point in the coordinate plane.</p> <p>MA 6.3.2.b Plot the location of an ordered pair in the coordinate plane.</p> <p>MA 6.3.2.c Identify the quadrant of a given point in the coordinate plane.</p> <p>MA 6.3.2.d Draw polygons in the coordinate plane given coordinates for the vertices.</p> <p>MA 6.3.2.e Calculate vertical and horizontal distances in the coordinate plane to find perimeter and area.</p>
Topic 5 Algebra: Patterns and Equations	
5-1 Dependent and Independent Variables	<p>MA 6.2.1.c Represent and analyze the relationship between two variables using graphs, tables, and one-step equations.</p>

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5-2 Patterns and Equations	<p>MA 6.1.2.e Estimate and check reasonableness of answers using appropriate strategies and tools.</p> <p>MA 6.2.1.c Represent and analyze the relationship between two variables using graphs, tables, and one-step equations.</p> <p>MA 6.2.2.e Solve one-step equations with non-negative rational numbers using addition, subtraction, multiplication and division.</p>
5-3 More Patterns and Equations	<p>MA 6.1.2.e Estimate and check reasonableness of answers using appropriate strategies and tools.</p> <p>MA 6.2.1.c Represent and analyze the relationship between two variables using graphs, tables, and one-step equations.</p> <p>MA 6.2.2.e Solve one-step equations with non-negative rational numbers using addition, subtraction, multiplication and division.</p>
5-4 Graph Equations	<p>MA 6.2.1.c Represent and analyze the relationship between two variables using graphs, tables, and one-step equations.</p> <p>MA 6.2.2.e Solve one-step equations with non-negative rational numbers using addition, subtraction, multiplication and division.</p>
5-5 Continue to Graph Equations	<p>MA 6.2.1.c Represent and analyze the relationship between two variables using graphs, tables, and one-step equations.</p> <p>MA 6.2.2.e Solve one-step equations with non-negative rational numbers using addition, subtraction, multiplication and division.</p>

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5-6 Math Practices And Problem Solving	<p>MA 6.2.1.c Represent and analyze the relationship between two variables using graphs, tables, and one-step equations.</p> <p>MA 6.2.2.b Use substitution to determine if a given value for a variable makes an equation or inequality true.</p> <p>MA 6.2.2.e Solve one-step equations with non-negative rational numbers using addition, subtraction, multiplication and division.</p>
Topic 6 Fluently Divide Whole Numbers	
6-1 Estimate Quotients Involving Whole Numbers	<p>MA 6.1.2.c Divide multi-digit whole numbers using the standard algorithm.</p> <p>MA 6.1.2.e Estimate and check reasonableness of answers using appropriate strategies and tools.</p>
6-2 Divide Whole Numbers	MA 6.1.2.c Divide multi-digit whole numbers using the standard algorithm.
6-3 Continue to Divide Whole Numbers	MA 6.1.2.c Divide multi-digit whole numbers using the standard algorithm.
6-4 Evaluate Expressions	<p>MA 6.1.2.c Divide multi-digit whole numbers using the standard algorithm.</p> <p>MA 6.1.2.e Estimate and check reasonableness of answers using appropriate strategies and tools.</p> <p>MA 6.2.2.d Given the value of the variable, evaluate algebraic expressions (which may include absolute value) with respect to order of operations (non-negative rational numbers).</p>

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6-5 Solve Division Equations	<p>MA 6.1.2.c Divide multi-digit whole numbers using the standard algorithm.</p> <p>MA 6.1.2.e Estimate and check reasonableness of answers using appropriate strategies and tools.</p> <p>MA 6.2.2.e Solve one-step equations with non-negative rational numbers using addition, subtraction, multiplication and division.</p> <p>MA 6.2.3.a Write equations (e.g., one operation, one variable) to represent real-world problems involving non-negative rational numbers.</p> <p>MA 6.2.3.b Solve real-world problems involving non-negative rational numbers.</p>
6-6 Math Practices And Problem Solving	<p>MA 6.1.2.c Divide multi-digit whole numbers using the standard algorithm.</p> <p>MA 6.1.2.e Estimate and check reasonableness of answers using appropriate strategies and tools.</p> <p>MA 6.2.2.d Given the value of the variable, evaluate algebraic expressions (which may include absolute value) with respect to order of operations (non-negative rational numbers).</p> <p>MA 6.2.2.e Solve one-step equations with non-negative rational numbers using addition, subtraction, multiplication and division.</p>
Topic 7 Fluently Add, Subtract, Multiply, and Divide Decimals	
7-1 Estimate Sums and Differences	<p>MA 6.1.2.d Add, subtract, multiply, and divide decimals using the standard algorithms.</p> <p>MA 6.1.2.e Estimate and check reasonableness of answers using appropriate strategies and tools.</p>

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7-2 Add and Subtract Decimals	MA 6.1.2.d Add, subtract, multiply, and divide decimals using the standard algorithms.
7-3 Estimate Products	MA 6.1.2.d Add, subtract, multiply, and divide decimals using the standard algorithms. MA 6.1.2.e Estimate and check reasonableness of answers using appropriate strategies and tools.
7-4 Multiply Decimals	MA 6.1.2.d Add, subtract, multiply, and divide decimals using the standard algorithms.
7-5 Divide Decimals by a Whole Number	MA 6.1.2.c Divide multi-digit whole numbers using the standard algorithm. MA 6.1.2.d Add, subtract, multiply, and divide decimals using the standard algorithms.
7-6 Divide Decimals	MA 6.1.2.c Divide multi-digit whole numbers using the standard algorithm. MA 6.1.2.d Add, subtract, multiply, and divide decimals using the standard algorithms.
7-7 Continue to Divide Decimals	MA 6.1.2.c Divide multi-digit whole numbers using the standard algorithm. MA 6.1.2.d Add, subtract, multiply, and divide decimals using the standard algorithms.
7-8 Evaluate Expressions with Decimals	MA 6.1.2.c Divide multi-digit whole numbers using the standard algorithm. MA 6.1.2.d Add, subtract, multiply, and divide decimals using the standard algorithms. MA 6.2.1.a Create algebraic expressions (e.g., one operation, one variable as well as multiple operations, one variable) from word phrases.

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7-9 Solve Equations with Decimals	<p>MA 6.1.2.c Divide multi-digit whole numbers using the standard algorithm.</p> <p>MA 6.2.2.e Solve one-step equations with non-negative rational numbers using addition, subtraction, multiplication and division.</p> <p>MA 6.2.3.a Write equations (e.g., one operation, one variable) to represent real-world problems involving non-negative rational numbers.</p> <p>MA 6.2.3.b Solve real-world problems involving non-negative rational numbers.</p>
7-10 Math Practices And Problem Solving	MA 6.1.2.d Add, subtract, multiply, and divide decimals using the standard algorithms.
Topic 8 Common Factors and Multiples	
8-1 Prime and Composite Numbers	MA 6.1.1.a Determine common factors and common multiples using prime factorization of numbers with and without exponents.
8-2 Find the Greatest Common Factor	MA 6.1.1.a Determine common factors and common multiples using prime factorization of numbers with and without exponents.
8-3 Least Common Multiple	MA 6.1.1.a Determine common factors and common multiples using prime factorization of numbers with and without exponents.
8-4 Math Practices And Problem Solving	MA 6.1.1.a Determine common factors and common multiples using prime factorization of numbers with and without exponents.
Topic 9 Ratio Concepts and Reasoning	
9-1 Understand Ratios	MA 6.1.1.e Determine ratios from drawings, words, and manipulatives.
9-2 Model Ratios	MA 6.1.1.e Determine ratios from drawings, words, and manipulatives.
9-3 Equivalent Ratios	MA 6.2.2.f Use equivalent ratios relating quantities with whole numbers to create a table. Find missing values in the table.

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9-4 Compare Ratios	MA 6.2.2.f Use equivalent ratios relating quantities with whole numbers to create a table. Find missing values in the table.
9-5 Ratios and Graphs	MA 6.1.1.e Determine ratios from drawings, words, and manipulatives. MA 6.2.2.f Use equivalent ratios relating quantities with whole numbers to create a table. Find missing values in the table. MA 6.2.3.d Solve real-world problems using ratios and unit rates.
9-6 Math Practices And Problem Solving	MA 6.1.1.e Determine ratios from drawings, words, and manipulatives. MA 6.2.3.d Solve real-world problems using ratios and unit rates.
Topic 10 Ratio Concepts: Rates	
10-1 Understand Rates	MA 6.1.1.f Explain and determine unit rates. MA 6.2.2.f Use equivalent ratios relating quantities with whole numbers to create a table. Find missing values in the table.
10-2 Understand Unit Rates	MA 6.1.1.f Explain and determine unit rates. MA 6.2.3.d Solve real-world problems using ratios and unit rates.
10-3 Compare Rates	MA 6.2.2.f Use equivalent ratios relating quantities with whole numbers to create a table. Find missing values in the table. MA 6.2.3.d Solve real-world problems using ratios and unit rates.
10-4 Apply Unit Rates: Unit Price	MA 6.2.3.d Solve real-world problems using ratios and unit rates.
10-5 Apply Unit Rates: Constant Speed	MA 6.2.3.d Solve real-world problems using ratios and unit rates.
10-6 Convert Customary Units	MA 6.2.3.d Solve real-world problems using ratios and unit rates.

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10-7 Convert Metric Units	MA 6.2.3.d Solve real-world problems using ratios and unit rates.
10-8 Relate Customary and Metric Units	MA 6.2.3.d Solve real-world problems using ratios and unit rates.
10-9 Math Practices And Problem Solving	MA 6.2.3.d Solve real-world problems using ratios and unit rates.
Topic 11 Ratio Concepts: Percent	
11-1 Understand Percent	MA 6.1.1.d Convert among fractions, decimals, and percents using multiple representations.
11-2 Fractions, Decimals, and Percents	MA 6.1.1.d Convert among fractions, decimals, and percents using multiple representations.
11-3 Percents Greater Than 100 or Less Than 1	MA 6.1.1.d Convert among fractions, decimals, and percents using multiple representations. MA 6.2.3.c Solve real-world problems involving percents of numbers.
11-4 Estimate Percent	MA 6.1.1.d Convert among fractions, decimals, and percents using multiple representations. MA 6.2.3.c Solve real-world problems involving percents of numbers.
11-5 Find the Percent of a Number	MA 6.1.1.d Convert among fractions, decimals, and percents using multiple representations. MA 6.2.3.c Solve real-world problems involving percents of numbers.
11-6 Find the Whole	MA 6.1.1.d Convert among fractions, decimals, and percents using multiple representations. MA 6.2.3.c Solve real-world problems involving percents of numbers.

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11-7 Math Practices And Problem Solving	<p>MA 6.1.1.d Convert among fractions, decimals, and percents using multiple representations.</p> <p>MA 6.2.3.c Solve real-world problems involving percents of numbers.</p>
Topic 12 Divide Fractions by Fractions	
12-1 Understand Division of Fractions	MA 6.1.2.a Multiply and divide non-negative fractions and mixed numbers.
12-2 Divide Whole Numbers by Fractions	MA 6.1.2.a Multiply and divide non-negative fractions and mixed numbers.
12-3 Use Models to Divide Fractions	MA 6.1.2.a Multiply and divide non-negative fractions and mixed numbers.
12-4 Divide Fractions	MA 6.1.2.a Multiply and divide non-negative fractions and mixed numbers.
12-5 Estimate Mixed-Number Quotients	MA 6.1.2.a Multiply and divide non-negative fractions and mixed numbers.
12-6 Divide Mixed Numbers	MA 6.1.2.a Multiply and divide non-negative fractions and mixed numbers.
12-7 Evaluate Expressions with Fractions	<p>MA 6.1.2.a Multiply and divide non-negative fractions and mixed numbers.</p> <p>MA 6.2.2.d Given the value of the variable, evaluate algebraic expressions (which may include absolute value) with respect to order of operations (non-negative rational numbers).</p>
12-8 Solve Equations with Fractions	<p>MA 6.1.2.a Multiply and divide non-negative fractions and mixed numbers.</p> <p>MA 6.2.2.e Solve one-step equations with non-negative rational numbers using addition, subtraction, multiplication and division.</p>
12-9 Math Practices And Problem Solving	MA 6.1.2.a Multiply and divide non-negative fractions and mixed numbers.

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Topic 13 Solve Area Problems	
13-1 Areas of Parallelograms and Rhombuses	<p>MA 6.2.2.d Given the value of the variable, evaluate algebraic expressions (which may include absolute value) with respect to order of operations (non-negative rational numbers).</p> <p>MA 6.3.3.a Determine the area of quadrilaterals, including parallelograms, trapezoids, and triangles by composition and decomposition of polygons as well as application of formulas.</p>
13-2 Areas of Triangles	<p>MA 6.2.2.d Given the value of the variable, evaluate algebraic expressions (which may include absolute value) with respect to order of operations (non-negative rational numbers).</p> <p>MA 6.3.3.a Determine the area of quadrilaterals, including parallelograms, trapezoids, and triangles by composition and decomposition of polygons as well as application of formulas.</p>
13-3 Areas of Special Quadrilaterals	<p>MA 6.2.2.d Given the value of the variable, evaluate algebraic expressions (which may include absolute value) with respect to order of operations (non-negative rational numbers).</p> <p>MA 6.3.3.a Determine the area of quadrilaterals, including parallelograms, trapezoids, and triangles by composition and decomposition of polygons as well as application of formulas.</p>
13-4 Areas of Polygons	<p>MA 6.2.2.d Given the value of the variable, evaluate algebraic expressions (which may include absolute value) with respect to order of operations (non-negative rational numbers).</p> <p>MA 6.3.3.a Determine the area of quadrilaterals, including parallelograms, trapezoids, and triangles by composition and decomposition of polygons as well as application of formulas.</p>

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13-5 Polygons on the Coordinate Plane	<p>MA 6.3.2.a Identify the ordered pair of a given point in the coordinate plane.</p> <p>MA 6.3.2.b Plot the location of an ordered pair in the coordinate plane.</p> <p>MA 6.3.2.c Identify the quadrant of a given point in the coordinate plane.</p> <p>MA 6.3.2.d Draw polygons in the coordinate plane given coordinates for the vertices.</p> <p>MA 6.3.3.a Determine the area of quadrilaterals, including parallelograms, trapezoids, and triangles by composition and decomposition of polygons as well as application of formulas.</p> <p>MA 6.3.2.e Calculate vertical and horizontal distances in the coordinate plane to find perimeter and area.</p>
13-6 Math Practices And Problem Solving	<p>MA 6.1.1.c Compare and order rational numbers both on the number line and not on the number line.</p> <p>MA 6.1.1.g Model integers using drawings, words, manipulatives, number lines, and symbols.</p> <p>MA 6.3.2.a Identify the ordered pair of a given point in the coordinate plane.</p> <p>MA 6.3.2.b Plot the location of an ordered pair in the coordinate plane.</p> <p>MA 6.3.2.c Identify the quadrant of a given point in the coordinate plane.</p> <p>MA 6.3.2.d Draw polygons in the coordinate plane given coordinates for the vertices.</p> <p>MA 6.3.2.e Calculate vertical and horizontal distances in the coordinate plane to find perimeter and area.</p>

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(Continued) 13-6 Math Practices And Problem Solving	MA 6.3.3.a Determine the area of quadrilaterals, including parallelograms, trapezoids, and triangles by composition and decomposition of polygons as well as application of formulas.
Topic 14 Solve Surface Area and Volume Problems	
14-1 Solid Figures and Nets	MA 6.3.1.a Identify and create nets to represent two-dimensional drawings of prisms, pyramids, cylinders, and cones. MA 6.3.3.b Determine the surface area of rectangular prisms and triangular prisms using nets.
14-2 Surface Area of Prisms	MA 6.2.1.a Create algebraic expressions (e.g., one operation, one variable as well as multiple operations, one variable) from word phrases. MA 6.2.2.d Given the value of the variable, evaluate algebraic expressions (which may include absolute value) with respect to order of operations (non-negative rational numbers). MA 6.3.1.a Identify and create nets to represent two-dimensional drawings of prisms, pyramids, cylinders, and cones. MA 6.3.3.b Determine the surface area of rectangular prisms and triangular prisms using nets.
14-3 Surface Area of Pyramids	MA 6.2.1.a Create algebraic expressions (e.g., one operation, one variable as well as multiple operations, one variable) from word phrases. MA 6.2.2.d Given the value of the variable, evaluate algebraic expressions (which may include absolute value) with respect to order of operations (non-negative rational numbers). MA 6.3.1.a Identify and create nets to represent two-dimensional drawings of prisms, pyramids, cylinders, and cones.

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(Continued) 14-3 Surface Area of Pyramids	MA 6.3.3.b Determine the surface area of rectangular prisms and triangular prisms using nets.
14-4 Volume with Fractional Edge Lengths	<p>MA 6.2.1.a Create algebraic expressions (e.g., one operation, one variable as well as multiple operations, one variable) from word phrases.</p> <p>MA 6.2.2.d Given the value of the variable, evaluate algebraic expressions (which may include absolute value) with respect to order of operations (non-negative rational numbers).</p> <p>MA 6.3.3.c Apply volume formulas for rectangular prisms.</p>
14-5 Math Practices And Problem Solving	<p>MA 6.2.1.a Create algebraic expressions (e.g., one operation, one variable as well as multiple operations, one variable) from word phrases.</p> <p>MA 6.2.2.d Given the value of the variable, evaluate algebraic expressions (which may include absolute value) with respect to order of operations (non-negative rational numbers).</p> <p>MA 6.3.1.a Identify and create nets to represent two-dimensional drawings of prisms, pyramids, cylinders, and cones.</p> <p>MA 6.3.3.b Determine the surface area of rectangular prisms and triangular prisms using nets.</p> <p>MA 6.3.3.c Apply volume formulas for rectangular prisms.</p>
Topic 15 Measures of Center and Variability	
15-1 Statistical Questions	MA 6.4.1.a Represent data using line plots, dot plots, box plots, and histograms.
15-2 Mean	<p>MA 6.4.2.c Find and interpret the mean, median, mode, and range for a set of data.</p> <p>MA 6.4.2.d Compare the mean, median, mode, and range from two sets of data.</p>

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15-3 Median, Mode, and Range	<p>MA 6.4.2.c Find and interpret the mean, median, mode, and range for a set of data.</p> <p>MA 6.4.2.d Compare the mean, median, mode, and range from two sets of data.</p>
15-4 Math Practices And Problem Solving	MA 6.4.2.b Compare and interpret data sets based upon their graphical representations (e.g., center, spread, and shape).
Topic 16 Display and Summarize Data	
16-1 Frequency Tables and Histograms	<p>MA 6.4.1.a Represent data using line plots, dot plots, box plots, and histograms.</p> <p>MA 6.4.2.a Solve problems using information presented in line plots, dot plots, box plots, and histograms.</p>
16-2 Box Plots	<p>MA 6.4.1.a Represent data using line plots, dot plots, box plots, and histograms.</p> <p>MA 6.4.2.a Solve problems using information presented in line plots, dot plots, box plots, and histograms.</p>
16-3 Measures of Variability	<p>MA 6.4.1.a Represent data using line plots, dot plots, box plots, and histograms.</p> <p>MA 6.4.2.a Solve problems using information presented in line plots, dot plots, box plots, and histograms.</p> <p>MA 6.4.2.c Find and interpret the mean, median, mode, and range for a set of data.</p> <p>MA 6.4.2.d Compare the mean, median, mode, and range from two sets of data.</p>
16-4 Appropriate Use of Statistical Measures	<p>MA 6.4.2.c Find and interpret the mean, median, mode, and range for a set of data.</p> <p>MA 6.4.2.d Compare the mean, median, mode, and range from two sets of data.</p>

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16-5 Summarize Data Distributions	<p>MA 6.4.1.a Represent data using line plots, dot plots, box plots, and histograms.</p> <p>MA 6.4.2.a Solve problems using information presented in line plots, dot plots, box plots, and histograms.</p> <p>MA 6.4.2.b Compare and interpret data sets based upon their graphical representations (e.g., center, spread, and shape).</p> <p>MA 6.4.2.c Find and interpret the mean, median, mode, and range for a set of data.</p> <p>MA 6.4.2.d Compare the mean, median, mode, and range from two sets of data.</p>
16-6 Math Practices And Problem Solving	<p>MA 6.4.1.a Represent data using line plots, dot plots, box plots, and histograms.</p> <p>MA 6.4.2.a Solve problems using information presented in line plots, dot plots, box plots, and histograms.</p> <p>MA 6.4.2.c Find and interpret the mean, median, mode, and range for a set of data.</p> <p>MA 6.4.2.d Compare the mean, median, mode, and range from two sets of data.</p>