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Standard ID	Description	Location	Module	Topic (Textbook)/ Unit (MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
6.RP.1	Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities.	Textbook	2: Relating Quantities	1: Ratios	1: It's All Relative: Introduction to Ratio and Ratio Reasoning pp. M2-7–M2-24
					2: Going Strong: Comparing Quantities to Solve Problems pp. M2-25–M2-36
					3: Oh, Yes, I Am the Muffin Man: Determining Equivalent Ratios pp. M2-37–M2-56
					4: A Trip to the Moon: Using Tables to Represent Equivalent Ratios pp. M2-57–M2-68
					5: They're Growing!: Graphs of Ratios pp. M2-69–M2-84
		6: One is Not Enough: Using and Comparing Ratio Representations pp. M2-85–M2-98			
MATHia Software	2: Relating Quantities	1: Ratio Reasoning	1: Understanding Ratio Relationships		
6.RP.2	Understand the concept of a unit rate a/b associated with a ratio $a : b$ with $b \neq 0$, and use rate language in the context of a ratio relationship.	Textbook	2: Relating Quantities	3: Unit Rates and Conversions	2: What is the Best Buy?: Introduction to Unit Rates pp. M2-185–M2-198
6.RP.3	Use ratio and rate reasoning to solve real-world and mathematical problems, e.g., by reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams, or equations.	Textbook	2: Relating Quantities	1: Ratios	2: Going Strong: Comparing Quantities to Solve Problems pp. M2-25–M2-36
		MATHia Software	2: Relating Quantities	1: Ratio Reasoning	3: Oh, Yes, I Am the Muffin Man: Determining Equivalent Ratios pp. M2-37–M2-56
6.RP.3a	Make tables of equivalent ratios relating quantities with whole-number measurements, find missing values in the tables, and plot the pairs of values on the coordinate plane. Use tables to compare ratios.	Textbook	2: Relating Quantities	1: Ratios	4: A Trip to the Moon: Using Tables to Represent Equivalent Ratios pp. M2-57–M2-68
					5: They're Growing!: Graphs of Ratios pp. M2-69–M2-84
		MATHia Software	2: Relating Quantities	1: Ratio Reasoning	6: One is Not Enough: Using and Comparing Ratio Representations pp. M2-85–M2-98
					3: Multiple Representations of Ratios

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit (MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
6.RP.3a	Make tables of equivalent ratios relating quantities with whole-number measurements, find missing values in the tables, and plot the pairs of values on the coordinate plane. Use tables to compare ratios.	MATHia Software	2: Relating Quantities	2: Problem Solving Using Ratio and Rate Reasoning	1: Problem Solving with Equivalent Ratios and Rates using Tables
					2: Problem Solving with Equivalent Ratios and Rates using Double Number Lines
					3: Problem Solving with Equivalent Ratios and Rates using Graphs
6.RP.3b	Solve unit rate problems including those involving unit pricing and constant speed.	Textbook	2: Relating Quantities	3: Unit Rates and Conversions	2: What is the Best Buy?: Introduction to Unit Rates pp. M2-185–M2-198
		MATHia Software	2: Relating Quantities	4: Rate Reasoning	3: Seeing Things Differently: Multiple Representations of Unit Rates pp. M2-199–M2-208
					1: Determining and Comparing Unit Rates
6.RP.3c	Find a percent of a quantity as a rate per 100 (e.g., 30% of a quantity means 30/100 times the quantity); solve problems involving finding the whole, given a part and the percent.	Textbook	2: Relating Quantities	2: Percents	1: We Are Family!: Percent, Fraction, and Decimal Equivalence pp. M2-109–M2-122
					2: Warming the Bench: Using Estimation and Benchmark Percents pp. M2-123–M2-136
					3: The Forest for the Trees: Determining the Part and the Whole in Percent Problems pp. M2-137–M2-156
		MATHia Software	2: Relating Quantities	3: Introduction to Percent	1: Percent Models
					2: Fraction, Decimal, Percent Conversions
					3: Determining a Part Given a Percent and a Whole
4: Determining a Whole Given a Percent and a Part					
6.RP.3d	Use ratio reasoning to convert measurement units; manipulate and transform units appropriately when multiplying or dividing quantities.	Textbook	2: Relating Quantities	3: Unit Rates and Conversions	1: Many Ways to Measure: Using Ratio Reasoning to Convert Units pp. M2-165–M2-184
		MATHia Software	2: Relating Quantities	5: Ratio Reasoning to Convert Units	1: Converting Within Systems
					2: Converting Between Systems

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit (MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
6.NS.1	Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions, e.g., by using visual fraction models and equations to represent the problem.	Textbook	1: Composing and Decomposing	2: Positive Rational Numbers	1: Thinking Rationally: Identifying and Ordering Rational Numbers pp. M1-71–M1-82
					2: Did You Get the Part?: Multiplying and Dividing with Fractions pp. M1-83–M1-92
		MATHia Software	1: Composing and Decomposing	3: Fraction Division	3: Yours IS to Reason Why!: Fraction by Fraction Division pp. M1-93–M1-106
					1: Representing Fraction Division
6.NS.2	Fluently divide multi-digit numbers using the standard algorithm.	Textbook	1: Composing and Decomposing	3: Decimals and Volume	2: Interpreting Remainders Using Models
					3: Developing the Fraction Division Algorithm
6.NS.2	Fluently divide multi-digit numbers using the standard algorithm.	MATHia Software	1: Composing and Decomposing	4: Decimal Operations	4: Multiplying and Dividing Rational Numbers
					4: Dividend in the House: Dividing with Volume and Surface Area pp. M1-165–M1-175
6.NS.3	Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation.	Textbook	1: Composing and Decomposing	3: Decimals and Volume	8: Dividing Decimals
					9: Whole Number and Decimal Quotients
					1: Length, Width, and Depth: Deepening Understanding of Volume pp. M1-115–M1-130
					2: Which Warehouse?: Volume Composition and Decomposition pp. M1-131–M1-142
		MATHia Software	1: Composing and Decomposing	4: Decimal Operations	3: Breaking the Fourth Wall: Surface Area of Rectangular Prisms and Pyramids pp. M1-143–M1-163
					4: Dividend in the House: Dividing with Volume and Surface Area pp. M1-165–M1-175
					1: Converting Fractions to Decimals
					2: Adding and Subtracting Decimals
					3: Decimal Sums and Differences
6.NS.3	Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation.	MATHia Software	1: Composing and Decomposing	4: Decimal Operations	4: Exploring Decimal Facts
					5: Patterns with Products and Quotients
					6: Multiplying Decimals
6.NS.3	Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation.	MATHia Software	1: Composing and Decomposing	4: Decimal Operations	7: Decimal Products
					8: Dividing Decimals
6.NS.3	Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation.	MATHia Software	1: Composing and Decomposing	4: Decimal Operations	9: Whole Number and Decimal Quotients

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit (MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
6.NS.4	Find the greatest common factor of two whole numbers less than or equal to 100 and the least common multiple of two whole numbers less than or equal to 100 with a common factor as a multiple of a sum of two whole numbers with no common factor.	Textbook	1: Composing and Decomposing	1: Factors and Area	4: Searching for Common Ground: Common Factors and Common Multiples pp. M1-39–M1-50 5: Composing and Decomposing Numbers: Least Common Multiple and Greatest Common Factor pp. M1-51–M1-60
		MATHia Software	1: Composing and Decomposing	1: Number Properties	4: Identifying Greatest Common Factors and Least Common Multiples
6.NS.5	Understand that positive and negative numbers are used together to describe quantities having opposite directions or values (e.g., temperature above/below zero, elevation above/below sea level, credits/debits, positive/negative electric charge); use positive and negative numbers to represent quantities in real-world contexts, explaining the meaning of 0 in each situation.	Textbook	4: Moving Beyond Positive Quantities	1: Signed Numbers	1: Human Number Line: Introduction to Negative Numbers pp. M4-7–M4-22
		MATHia Software	4: Moving Beyond Positive Quantities	1: Integers	1: Introduction to Negative Numbers
6.NS.6	Understand a rational number as a point on the number line. Extend number line diagrams and coordinate axes familiar from previous grades to represent points on the line and in the plane with negative number coordinates.	MATHia Software	4: Moving Beyond Positive Quantities	1: Integers	1: Introduction to Negative Numbers
6.NS.6a	Recognize opposite signs of numbers as indicating locations on opposite sides of 0 on the number line; recognize that the opposite of the opposite of a number is the number itself, e.g., $-(-3) = 3$, and that 0 is its own opposite.	Textbook	4: Moving Beyond Positive Quantities	1: Signed Numbers	1: Human Number Line: Introduction to Negative Numbers pp. M4-7–M4-22
		MATHia Software	4: Moving Beyond Positive Quantities	1: Integers	2: Representing Integers on Number Lines
6.NS.6b	Understand signs of numbers in ordered pairs as indicating locations in quadrants of the coordinate plane; recognize that when two ordered pairs differ only by signs, the locations of the points are related by reflections across one or both axes.	Textbook	4: Moving Beyond Positive Quantities	2: The Four Quadrants	1: Four Is Better Than One: Extending the Coordinate Plane pp. M4-57–M4-72
		MATHia Software	4: Moving Beyond Positive Quantities	2: The Coordinate Plane	1: Exploring Symmetry on the Coordinate Plane

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit (MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
6.NS.6c	Find and position integers and other rational numbers on a horizontal or vertical number line diagram; find and position pairs of integers and other rational numbers on a coordinate plane.	Textbook	4: Moving Beyond Positive Quantities	1: Signed Numbers	1: Human Number Line: Introduction to Negative Numbers pp. M4-7–M4-22
				2: The Four Quadrants	1: Four Is Better Than One: Extending the Coordinate Plane pp. M4-57–M4-72
		MATHia Software	4: Moving Beyond Positive Quantities	2: The Coordinate Plane	1: Exploring Symmetry on the Coordinate Plane
					2: Identifying and Interpreting Ordered Pairs
6.NS.7a	Interpret statements of inequality as statements about the relative position of two numbers on a number line diagram.	Textbook	4: Moving Beyond Positive Quantities	1: Signed Numbers	1: Human Number Line: Introduction to Negative Numbers pp. M4-7–M4-22
				MATHia Software	4: Moving Beyond Positive Quantities
6.NS.7b	Write, interpret, and explain statements of order for rational numbers in real-world contexts.	Textbook	4: Moving Beyond Positive Quantities	1: Signed Numbers	1: Human Number Line: Introduction to Negative Numbers pp. M4-7–M4-22
				MATHia Software	4: Moving Beyond Positive Quantities
6.NS.7c	Understand the absolute value of a rational number as its distance from 0 on the number line; interpret absolute value as magnitude for a positive or negative quantity in a real-world situation.	Textbook	4: Moving Beyond Positive Quantities	1: Signed Numbers	2: Magnificent Magnitude: Absolute Value pp. M4-23–M4-34
				MATHia Software	4: Moving Beyond Positive Quantities
6.NS.7d	Distinguish comparisons of absolute value from statements about order.	Textbook	4: Moving Beyond Positive Quantities	1: Signed Numbers	2: Magnificent Magnitude: Absolute Value pp. M4-23–M4-34
				MATHia Software	4: Moving Beyond Positive Quantities
					3: Using Absolute Value

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit (MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
6.NS.8	Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane. Include use of coordinates and absolute value to find distances between points with the same first coordinate or the same second coordinate.	Textbook	4: Moving Beyond Positive Quantities	2: The Four Quadrants	1: Four Is Better Than One: Extending the Coordinate Plane pp. M4-57–M4-72 2: It's a Bird, It's a Plane... It's a Polygon on the Plane!: Graphing Geometric Figures pp. M4-73–M4-86 3: There are Many Paths...: Problem Solving on the Coordinate Plane pp. M4-87–M4-111
		MATHia Software	4: Moving Beyond Positive Quantities	2: The Coordinate Plane	4: Drawing Polygons on the Coordinate Plane
6.EE.1	Write and evaluate numerical expressions involving whole-number exponents.	Textbook	3: Determining Unknown Quantities	1: Expressions	1: Relationships Matter: Evaluating Numeric Expressions pp. M3-7–M3-22
		MATHia Software	3: Determining Unknown Quantities	1: Numeric Expressions	3: Writing and Evaluating Exponent Expressions
					4: Order of Operations
					5: Applying the Order of Operations
					6: Using Order of Operations to Evaluate Simple Numeric Expressions
					7: Using Order of Operations to Evaluate Numeric Expressions with Four Operations
8: Using Order of Operations to Evaluate Numeric Expressions with Parentheses and Exponents					
9: Using Order of Operations to Evaluate Numeric Expressions					
6.EE.2	Write, read, and evaluate expressions in which letters stand for numbers.	Textbook	3: Determining Unknown Quantities	1: Expressions	2: Into the Unknown: Introduction to Algebraic Expressions pp. M3-23–M3-34
6.EE.2a	Write expressions that record operations with numbers and with letters standing for numbers.	Textbook	3: Determining Unknown Quantities	1: Expressions	2: Into the Unknown: Introduction to Algebraic Expressions pp. M3-23–M3-34
					3: Second Verse, Same as the First: Equivalent Expressions pp. M3-35–M3-52
					5: DVDs and Songs: Using Algebraic Expressions to Analyze and Solve Problems pp. M3-67–M3-76

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit (MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
6.EE.2b	Identify parts of an expression using mathematical terms (sum, term, product, factor, quotient, coefficient); view one or more parts of an expression as a single entity.	Textbook	1: Composing and Decomposing	1: Factors and Area	1: Taking Apart Numbers and Shapes: Writing Equivalent Expressions Using the Distributive Property pp. M1-7–M1-14
			3: Determining Unknown Quantities	1: Expressions	2: Into the Unknown: Introduction to Algebraic Expressions pp. M3-23–M3-34
		MATHia Software	3: Determining Unknown Quantities	2: Algebraic Expressions	1: Identifying Parts of Simple Algebraic Expressions
6.EE.2c	Evaluate expressions at specific values of their variables. Include expressions that arise from formulas used in real-world problems. Perform arithmetic operations, including those involving whole-number exponents, in the conventional order when there are no parentheses to specify a particular order.	Textbook	3: Determining Unknown Quantities	1: Expressions	2: Into the Unknown: Introduction to Algebraic Expressions pp. M3-23–M3-34
					5: DVDs and Songs: Using Algebraic Expressions to Analyze and Solve Problems pp. M3-67–M3-76
		MATHia Software	3: Determining Unknown Quantities	1: Numeric Expressions	1: Evaluating One-Step Expressions with Whole Numbers
				2: Algebraic Expressions	2: Evaluating Two-Step Expressions with Whole Numbers
2: Evaluating Multi-Step Expressions	3: Evaluating Expressions with Multiple Variables				
6.EE.3	Apply the properties of operations to generate equivalent expressions.	Textbook	1: Composing and Decomposing	1: Factors and Area	1: Taking Apart Numbers and Shapes: Writing Equivalent Expressions Using the Distributive Property pp. M1-7–M1-14
			3: Determining Unknown Quantities	1: Expressions	3: Second Verse, Same as the First: Equivalent Expressions pp. M3-35–M3-52

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit (MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
6.EE.3	Apply the properties of operations to generate equivalent expressions.	Textbook	3: Determining Unknown Quantities	1: Expressions	5: DVDs and Songs: Using Algebraic Expressions to Analyze and Solve Problems pp. M3-67–M3-76
		MATHia Software	1: Composing and Decomposing	1: Number Properties	1: Commutative and Associative Properties
					2: Exploring the Distributive Property with Numeric Expressions
					3: Using the Distributive Property with Numeric Expressions
			3: Determining Unknown Quantities	3: Equivalent Algebraic Expressions	1: Modeling Equivalent Algebraic Expressions
					2: Exploring the Distributive Property with Algebraic Expressions
					3: Using Order of Operations to Rewrite Simple Algebraic Expressions
4: Using Order of Operations to Rewrite Algebraic Expressions with Four Operations					
5: Using Order of Operations to Rewrite Algebraic Expressions with Parentheses and Exponents					
6: Using Order of Operations to Rewrite Algebraic Expressions					
6.EE.4	Identify when two expressions are equivalent (i.e., when the two expressions name the same number regardless of which value is substituted into them).	Textbook	3: Determining Unknown Quantities	1: Expressions	4: Are They Saying the Same Thing?: Verifying Equivalent Expressions pp. M3-53–M3-66
		MATHia Software	3: Determining Unknown Quantities	3: Equivalent Algebraic Expressions	1: Modeling Equivalent Algebraic Expressions
6.EE.5	Understand solving an equation or inequality as a process of answering a question: which values from a specified set, if any, make the equation or inequality true? Use substitution to determine whether a given number in a specified set makes an equation or inequality true.	Textbook	3: Determining Unknown Quantities	2: Equations	1: First Among Equals: Reasoning with Equal Expressions pp. M3-87–M3-106
		MATHia Software	3: Determining Unknown Quantities	5: Solving One-Step Equations	1: Using Substitution to Identify Solutions to Equations
				6: Solving One-Step Inequalities	2: Using Substitution to Identify Solutions to Inequalities
6.EE.6	Use variables to represent numbers and write expressions when solving a real-world or mathematical problem; understand that a variable can represent an unknown number, or, depending on the purpose at hand, any number in a specified set.	Textbook	3: Determining Unknown Quantities	1: Expressions	5: DVDs and Songs: Using Algebraic Expressions to Analyze and Solve Problems pp. M3-67–M3-76

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit (MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)	
6.EE.6	Use variables to represent numbers and write expressions when solving a real-world or mathematical problem; understand that a variable can represent an unknown number, or, depending on the purpose at hand, any number in a specified set.	Textbook	3: Determining Unknown Quantities	2: Equations	2: Bar None: Solving One-Step Addition Equations pp. M3-107–M3-117	
					3: Play It In Reverse: Solving One-Step Multiplication Equations pp. M3-119–M3-134	
					4: Getting Real: Solving Equations to Solve Problems pp. M3-135–M3-144	
		MATHia Software	3: Determining Unknown Quantities	4: Reasoning with Expressions and Equations	4: Patterns and One-Step Expressions	
					7: Problem Solving with One-Step Equations	3: Patterns and One-Step Equations
						4: Problem Solving Using Multiple Representations in the First Quadrant
			5: Problem Solving with Decimals			
6.EE.7	Solve real-world and mathematical problems by writing and solving equations of the form $x + p = q$ and $px = q$ for cases in which p , q , and x are all nonnegative rational numbers.	Textbook	3: Determining Unknown Quantities	2: Equations	2: Bar None: Solving One-Step Addition Equations pp. M3-107–M3-117	
					3: Play It In Reverse: Solving One-Step Multiplication Equations pp. M3-119–M3-134	
					4: Getting Real: Solving Equations to Solve Problems pp. M3-135–M3-144	
		MATHia Software	3: Determining Unknown Quantities	4: Reasoning with Expressions and Equations	1: Using Picture Algebra with Addition, Subtraction and Multiplication	
					2: Using Picture Algebra with Multiplication, Total Given	
					3: Using Picture Algebra with Addition and Subtraction, Total Given	
				5: Solving One-Step Equations	2: Solving One-Step Equations with a Balance	
					3: Representing One-Step Equations	
					4: Solving with Addition and Subtraction (No Type In)	
			5: Solving with Multiplication and Division (No Type In)			

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit (MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
6.EE.7	Solve real-world and mathematical problems by writing and solving equations of the form $x + p = q$ and $px = q$ for cases in which p , q , and x are all nonnegative rational numbers.	MATHia Software	3: Determining Unknown Quantities	5: Solving One-Step Equations	6: Solving One-Step Equations (Type In)
				7: Problem Solving with One-Step Equations	3: Patterns and One-Step Equations
					4: Problem Solving Using Multiple Representations in the First Quadrant
6.EE.8	Write an inequality of the form $x > c$ or $x < c$ to represent a constraint or condition in a real-world or mathematical problem. Recognize that inequalities of the form $x > c$ or $x < c$ have infinitely many solutions; represent solutions of such inequalities on number line diagrams.	Textbook	3: Determining Unknown Quantities	2: Equations	1: First Among Equals: Reasoning with Equal Expressions pp. M3-87–M3-106
		MATHia Software	3: Determining Unknown Quantities	6: Solving One-Step Inequalities	1: Graphing Inequalities with Positive Rational Numbers
			4: Moving Beyond Positive Quantities	1: Integers	4: Graphing Inequalities with Rational Numbers
6.EE.9	Use variables to represent two quantities in a real-world problem that change in relationship to one another; write an equation to express one quantity, thought of as the dependent variable, in terms of the other quantity, thought of as the independent variable. Analyze the relationship between the dependent and independent variables using graphs and tables, and relate these to the equation.	Textbook	3: Determining Unknown Quantities	2: Equations	4: Getting Real: Solving Equations to Solve Problems pp. M3-135–M3-144
				3: Graphing Quantitative Relationships	1: Every Graph Tells a Story: Independent and Dependent Variables pp. M3-155–M3-182
					2: The Power of the Horizontal Line: Using Graphs to Solve One-Step Equations pp. M3-183–M3-192
					3: Planes, Trains, and Paychecks: Multiple Representations of Equations pp. M3-193–M3-206
		4: Triathlon Training: Relating Distance, Rate, and Time pp. M3-207–M3-220	4: The Four Quadrants	3: There are Many Paths...: Problem Solving on the Coordinate Plane pp. M4-87–M4-111	
		MATHia Software	3: Determining Unknown Quantities	7: Problem Solving with One-Step Equations	1: Modeling Scenarios with Equations
			4: Moving Beyond Positive Quantities	3: Multiple Representations	2: Analyzing Models of One-Step Linear Relationships
				1: Writing an Expression from a Scenario, Table, or Graph	
				2: Solving One-Step Equations Using Multiple Representations in Four Quadrants	

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit (MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
6.G.1	Find the area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; apply these techniques in the context of solving real-world and mathematical problems.	Textbook	1: Composing and Decomposing	1: Factors and Area	2: All About That Base...and Height: Area of Triangles and Quadrilaterals pp. M1-15–M1-28 3: Slicing and Dicing: Composite Figures pp. M1-29–M1-38
		MATHia Software	1: Composing and Decomposing	2: Area	1: Calculating Area of Rectangles
					2: Developing Area Formulas
					3: Calculating Area of Various Figures
					4: Solving Area Problems
5: Calculating Area of Composite Figures					
6.G.2	Find the volume of a right rectangular prism with fractional edge lengths by packing it with unit cubes of the appropriate unit fraction edge lengths, and show that the volume is the same as would be found by multiplying the edge lengths of the prism. Apply the formulas $V = lwh$ and $V = bh$ to find volumes of right rectangular prisms with fractional edge lengths in the context of solving real-world and mathematical problems.	Textbook	1: Composing and Decomposing	3: Decimals and Volume	1: Length, Width, and Depth: Deepening Understanding of Volume pp. M1-115–M1-130 2: Which Warehouse?: Volume Composition and Decomposition pp. M1-131–M1-142
		MATHia Software	1: Composing and Decomposing	5: Volume and Surface Area	1: Determining Volume Using Unit Fraction Cubes
					2: Calculating Volume of Right Prisms
6.G.3	Draw polygons in the coordinate plane given coordinates for the vertices; use coordinates to find the length of a side joining points with the same first coordinate or the same second coordinate. Apply these techniques in the context of solving real-world and mathematical problems.	Textbook	4: Moving Beyond Positive Quantities	2: The Four Quadrants	2: It's a Bird, It's a Plane... It's a Polygon on the Plane!: Graphing Geometric Figures pp. M4-73–M4-86
		MATHia Software	4: Moving Beyond Positive Quantities	2: The Coordinate Plane	4: Drawing Polygons on the Coordinate Plane
6.G.4	Represent three-dimensional figures using nets made up of rectangles and triangles, and use the nets to find the surface area of these figures. Apply these techniques in the context of solving real-world and mathematical problems.	Textbook	1: Composing and Decomposing	3: Decimals and Volume	3: Breaking the Fourth Wall: Surface Area of Rectangular Prisms and Pyramids pp. M1-143–M1-163
		MATHia Software	1: Composing and Decomposing	5: Volume and Surface Area	3: Determining Surface Area Using Nets
					4: Calculating Surface Area of Right Prisms
6.SP.1	Recognize a statistical question as one that anticipates variability in the data related to the question and accounts for it in the answers.	Textbook	5: Describing Variability of Quantities	1: The Statistical Process	1: What's Your Question?: Understanding the Statistical Process pp. M5-7–M5-23
		MATHia Software	5: Describing Variability of Quantity	1: Displays of Numerical Data	1: Analyzing Distributions with Shape, Center, and Spread

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit (MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
6.SP.2	Understand that a set of data collected to answer a statistical question has a distribution which can be described by its center, spread, and overall shape.	Textbook	5: Describing Variability of Quantities	1: The Statistical Process	2: Get in Shape: Analyzing Numerical Data Displays pp. M5-25–M5-46 3: Skyscrapers: Using Histograms to Display Data pp. M5-47–M5-60
				2: Numerical Summaries of Data	1: In the Middle: Analyzing Data Using Measures of Center pp. M5-71–M5-85 2: Box It Up: Displaying the Five-Number Summary pp. M5-87–M5-103 3: March MADness: Mean Absolute Deviation pp. M5-105–M5-116
		MATHia Software	5: Describing Variability of Quantity	1: Displays of Numerical Data	1: Analyzing Distributions with Shape, Center, and Spread
6.SP.3	Recognize that a measure of center for a numerical data set summarizes all of its values with a single number, while a measure of variation describes how its values vary with a single number.	Textbook	5: Describing Variability of Quantities	2: Numerical Summaries of Data	1: In the Middle: Analyzing Data Using Measures of Center pp. M5-71–M5-85 2: Box It Up: Displaying the Five-Number Summary pp. M5-87–M5-103 3: March MADness: Mean Absolute Deviation pp. M5-105–M5-116
				3: Mean Absolute Deviation	1: Calculating Mean Absolute Deviation 2: Using Mean Absolute Deviation
		MATHia Software	5: Describing Variability of Quantity		
6.SP.4	Display numerical data in plots on a number line, including dot plots, histograms, and box plots.	Textbook	5: Describing Variability of Quantities	1: The Statistical Process	2: Get in Shape: Analyzing Numerical Data Displays pp. M5-25–M5-46 3: Skyscrapers: Using Histograms to Display Data pp. M5-47–M5-60
				2: Numerical Summaries of Data	2: Box It Up: Displaying the Five-Number Summary pp. M5-87–M5-103
		MATHia Software	5: Describing Variability of Quantity	1: Displays of Numerical Data	2: Creating and Interpreting Stem Plots 3: Creating and Interpreting Dot Plots 4: Creating and Interpreting Histograms
				4: Box Plots	1: Constructing Box Plots 2: Interpreting Box Plots

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit (MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
6.SP.5	Summarize numerical data sets in relation to their context, such as by:	MATHia Software	5: Describing Variability of Quantity	4: Box Plots	1: Constructing Box Plots
					2: Interpreting Box Plots
6.SP.5a	Reporting the number of observations.	Textbook	5: Describing Variability of Quantities	1: The Statistical Process	2: Get in Shape: Analyzing Numerical Data Displays pp. M5-25–M5-46
					3: Skyscrapers: Using Histograms to Display Data pp. M5-47–M5-60
		MATHia Software	5: Describing Variability of Quantity	2: Numerical Summaries of Data	4: You Chose...Wisely: Choosing Appropriate Measures pp. M5-117–M5-130
					1: Displays of Numerical Data
3: Creating and Interpreting Dot Plots					
4: Creating and Interpreting Histograms					
6.SP.5b	Describing the nature of the attribute under investigation, including how it was measured and its units of measurement.	Textbook	5: Describing Variability of Quantities	1: The Statistical Process	2: Get in Shape: Analyzing Numerical Data Displays pp. M5-25–M5-46
					3: Skyscrapers: Using Histograms to Display Data pp. M5-47–M5-60
		MATHia Software	5: Describing Variability of Quantity	1: Displays of Numerical Data	2: Creating and Interpreting Stem Plots
					3: Creating and Interpreting Dot Plots
4: Creating and Interpreting Histograms					

Standard ID	Description	Location	Module	Topic (Textbook)/ Unit (MATHia Software)	Lesson (Textbook) / Workspace (MATHia Software)
6.SP.5c	Giving quantitative measures of center (median and/or mean) and variability (interquartile range and/or mean absolute deviation), as well as describing any overall pattern and any striking deviations from the overall pattern with reference to the context in which the data were gathered.	Textbook	5: Describing Variability of Quantities	1: The Statistical Process	2: Get in Shape: Analyzing Numerical Data Displays pp. M5-25–M5-46
					3: Skyscrapers: Using Histograms to Display Data pp. M5-47–M5-60
				2: Numerical Summaries of Data	1: In the Middle: Analyzing Data Using Measures of Center pp. M5-71–M5-85
					2: Box It Up: Displaying the Five-Number Summary pp. M5-87–M5-103
		3: March MADness: Mean Absolute Deviation pp. M5-105–M5-116			
		4: You Chose...Wisely: Choosing Appropriate Measures pp. M5-117–M5-130			
		MATHia Software	5: Describing Variability of Quantity	2: Measures of Central Tendency	1: Calculating Mean, Median, Mode, and Range
					2: Determining Measures of Center
3: Mean Absolute Deviation	3: Measuring the Effects of Changing Data Sets				
	1: Calculating Mean Absolute Deviation				
2: Using Mean Absolute Deviation					
6.SP.5d	Relating the choice of measures of center and variability to the shape of the data distribution and the context in which the data were gathered.	Textbook	5: Describing Variability of Quantities	2: Numerical Summaries of Data	4: You Chose...Wisely: Choosing Appropriate Measures pp. M5-117–M5-130
		MATHia Software	5: Describing Variability of Quantity	4: Box Plots	3: Choosing Appropriate Measures