

Alignment of Destination Math Courseware  
with  
**California Mathematics Content Standards**  
**GRADE 5**

**Number Sense**

	<b>Mastering Skills &amp; Concepts: Course III</b>	<b>Mastering Skills &amp; Concepts: Course IV</b>	<b>Mastering Skills &amp; Concepts: Course V</b>	<b>Mastering Algebra I: Course 1</b>	<b>Mastering Algebra I: Course 2</b>
<p><b>1.0</b> Students compute with very large and very small numbers, positive integers, decimals, and fractions and understand the relationship between decimals, fractions, and percents. They understand the relative magnitudes of numbers:</p> <p style="text-align: center;"><b>SEE BELOW</b></p>					
<p><b>1.1</b> Estimate, round, and manipulate very large (e.g., millions) and very small (e.g., thousandths) numbers.</p>	<p><b>Module: Numbers and Number Sense</b> Unit: Large and Small Numbers <u>Session 1</u>: Whole Numbers to One Million <u>Session 2</u>: Ordering and Rounding Whole Numbers <b>Module: Decimals</b> Unit: Introduction <u>Session 1</u>: Tenths, Hundredths, and Thousandths <u>Session 2</u>: Ordering and Rounding Unit: Addition and Subtraction <u>Session 2</u>: Subtracting Decimals</p>	<p><b>Module: Decimals</b> Unit: Essentials of Decimals <u>Session 1</u>: Investigating Decimal Place Values <u>Session 2</u>: Rounding Decimals <u>Session 3</u>: Exploring Repeating and Terminating Decimals</p> <p><b>The Graphing Tool</b></p>			

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<p><b>1.1</b> Estimate, round, and manipulate very large (e.g., millions) and very small (e.g., thousandths) numbers.  (Continued)</p>	<p><b>Module: Decimals</b> Unit: Multiplication and Division <u>Session 1</u>: Multiplying Decimals <u>Session 2</u>: Dividing Decimals by Whole Numbers <b>The Graphing Tool</b></p>				
<p><b>1.2</b> Interpret percents as a part of a hundred; find decimal and percent equivalents for common fractions and explain why they represent the same value; compute a given percent of a whole number.</p>	<p><b>Module: Decimals</b> Unit: Introduction <u>Session 3</u>: Ratios, Decimals, and Percents</p>	<p><b>Module: Decimals</b> Unit: Essentials of Decimals <u>Session 3</u>: Exploring Repeating and Terminating Decimals <b>Module: Percents</b> Unit: Essentials of Percents <u>Session 1</u>: Investigating the Meaning of Percent <u>Session 2</u>: Expressing Percents as Proper Fractions <u>Session 3</u>: Expressing Percents Greater than 100% as Improper Fractions <b>Module: Percents</b> Unit: Finding Percents of Quantities <u>Session 1</u>: Finding Percents of a Whole <u>Session 2</u>: Expressing Ratios as Percents <u>Session 3</u>: Calculating the Whole from a Part and a Percent</p>			

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<p><b>1.2</b> Interpret percents as a part of a hundred; find decimal and percent equivalents for common fractions and explain why they represent the same value; compute a given percent of a whole number.</p> <p style="text-align: center;">(Continued)</p>		<p><b>Module: Percents</b> Unit: Increasing and Decreasing Percents <u>Session 1</u>: Calculating Percent Increases <u>Session 2</u>: Calculating Percent Decreases <u>Session 3</u>: Calculating Simple Interest</p>			
<p><b>1.3</b> Understand and compute positive integer powers of nonnegative integers; compute examples as repeated multiplication.</p>		<p><b>Module: Integers &amp; Order of Operations</b> Unit: Order of Operations <u>Session 1</u>: Simplifying Expressions</p>			
<p><b>1.4</b> Determine the prime factors of all numbers through 50 and write the numbers as the product of their prime factors by using exponents to show multiples of a factor (e.g., <math>24 = 2 \times 2 \times 2 \times 3 = 2^3 \times 3</math>)</p>	<p><b>Module: Numbers and Number Sense</b> Unit: Numbers as Factors <u>Session 2</u>: Prime and Composite Numbers</p>				
<p><b>1.5</b> Identify and represent on a number line decimals, fractions, mixed numbers, and positive and negative integers.</p>	<p><b>Module: Numbers and Number Sense</b> Unit: Large and Small Numbers <u>Session 1</u>: Whole Numbers to One Million <u>Session 3</u>: Negative Whole Numbers</p>	<p><b>Module: Decimals</b> Unit: Essentials of Decimals <u>Session 2</u>: Rounding Decimals</p>			

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<p><b>1.5</b> Identify and represent on a number line decimals, fractions, mixed numbers, and positive and negative integers.  (Continued)</p>	<p><b>Module: Fractions</b> Unit: Proper and Improper Fractions <u>Session 1</u>: Proper Fractions <u>Session 2</u>: Improper Fractions</p> <p><b>The Graphing Tool</b></p>	<p><b>Module: Integers &amp; Order of Operations</b> Unit: Adding and Subtracting Signed Numbers <u>Session 1</u>: Exploring the Number Line and Absolute Value <u>Session 2</u>: Adding with Absolute Value <u>Session 3</u>: Subtracting with Absolute Value</p> <p><b>The Graphing Tool</b></p>			
<p><b>2.0</b> Students perform calculations and solve problems involving addition, subtraction, and simple multiplication and division of fractions and decimals:  <b>SEE BELOW</b></p>					
<p><b>2.1</b> Add, subtract, multiply, and divide with decimals; add with negative integers; subtract positive integers from negative integers; and verify the reasonableness of the results.</p>	<p><b>Module: Operations with Numbers</b> Unit: The Integers <u>Session 1</u>: Integer Sums <u>Session 2</u>: Differences Between Integers</p> <p><b>Module: Decimals</b> Unit: Addition and Subtraction <u>Session 1</u>: Adding Decimals <u>Session 2</u>: Subtracting Decimals</p>	<p><b>Module: Decimals</b> Unit: Adding and Subtracting Decimals <u>Session 1</u>: Using Place Value Grids <u>Session 2</u>: Regrouping with Whole Numbers <u>Session 3</u>: Regrouping to Hundredths</p>			

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<p><b>2.1</b> Add, subtract, multiply, and divide with decimals; add with negative integers; subtract positive integers from negative integers; and verify the reasonableness of the results.  (Continued)</p>	<p><b>Module: Decimals</b> Unit: Multiplication and Division <u>Session 1</u>: Multiplying Decimals <u>Session 2</u>: Dividing Decimals by Whole Numbers</p>	<p><b>Module: Decimals</b> Unit: Multiplying Decimals <u>Session 1</u>: Multiplying Decimals by Powers of 10 <u>Session 2</u>: Calculating Products <b>Module: Decimals</b> Unit: Dividing Decimals <u>Session 1</u>: Dividing Decimals by Whole Numbers <u>Session 2</u>: Estimating and Finding Quotients <u>Session 3</u>: Dividing by Powers of 10</p>			
<p><b>2.2</b> Demonstrate proficiency with division, including division with positive decimals and long division with multi-digit divisors.</p>	<p><b>Module: Operations with Numbers</b> Unit: Multiplication and Division of Whole Numbers <u>Session 2</u>: Introduction to Long Division <u>Session 3</u>: Two-digit Divisors</p>	<p><b>Module: Decimals</b> Unit: Dividing Decimals <u>Session 2</u>: Estimating and Finding Quotients</p>			
<p><b>2.3</b> Solve simple problems, including ones arising in concrete situations, involving the addition and subtraction of fractions and mixed numbers (like and unlike denominators of 20 or less), and express answers in the simplest form.</p>	<p><b>Module: Fractions</b> Unit: Proper and Improper Fractions <u>Session 3</u>: Equivalent Fractions</p>	<p><b>Module: Fractions</b> Unit: Equivalent Fractions <u>Session 2</u>: Expressing Fractions in Lowest Terms</p>			

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<p><b>2.3</b> Solve simple problems, including ones arising in concrete situations, involving the addition and subtraction of fractions and mixed numbers (like and unlike denominators of 20 or less), and express answers in the simplest form.</p> <p style="text-align: center;">(Continued)</p>	<p><b>Module: Fractions</b> Unit: Addition and Subtraction <u>Session 1</u>: Sums Involving Like Denominators <u>Session 2</u>: Differences Involving Like Denominators <u>Session 3</u>: Working with Unlike Denominators</p>	<p><b>Module: Fractions</b> Unit: Adding Fractions <u>Session 1</u>: Adding with Like Denominators <u>Session 2</u>: Adding with Unlike Denominators <u>Session 3</u>: Solving Missing Value Problems when Adding Fractions</p>			
<p><b>2.4</b> Understand the concept of multiplication and division of fractions.</p>	<p><b>Module: Fractions</b> Unit: Multiplication and Division <u>Session 1</u>: Finding Products <u>Session 2</u>: Quotients and Remainders</p>	<p><b>Module: Fractions</b> Unit: Multiplying Fractions <u>Session 1</u>: Finding Products of Fractions, Whole Numbers, and Mixed Numbers <u>Session 2</u>: Using the GCF in Finding Products <u>Session 3</u>: Representing Multiplication</p>			

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<p><b>2.4</b> Understand the concept of multiplication and division of fractions. (Continued)</p>		<p><b>Module: Fractions</b> Unit: Dividing Fractions <u>Session 1</u>: Estimating Quotients of Fractions <u>Session 2</u>: Using Multiplicative Inverses <u>Session 3</u>: Solving Missing Value Problems when Dividing Fractions</p>			
<p><b>2.5</b> Compute and perform simple multiplication and division of fractions and apply these procedures to solving problems.</p>	<p><b>Module: Fractions</b> Unit: Multiplication and Division <u>Session 1</u>: Finding Products <u>Session 2</u>: Quotients and Remainders</p>	<p><b>Module: Fractions</b> Unit: Multiplying Fractions <u>Session 1</u>: Finding Products of Fractions, Whole Numbers, and Mixed Numbers <u>Session 2</u>: Using the GCF in Finding Products <u>Session 3</u>: Representing Multiplication <b>Module: Fractions</b> Unit: Dividing Fractions <u>Session 1</u>: Estimating Quotients of Fractions <u>Session 2</u>: Using Multiplicative Inverses <u>Session 3</u>: Solving Missing Value Problems when Dividing Fractions</p>			

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**Algebra and Functions**

	<b>Mastering Skills &amp; Concepts: Course III</b>	<b>Mastering Skills &amp; Concepts: Course IV</b>	<b>Mastering Skills &amp; Concepts: Course V</b>	<b>Mastering Algebra I: Course 1</b>	<b>Mastering Algebra I: Course 2</b>
<p><b>1.0</b> Students use variables in simple expressions, compute the value of the expression for specific values of the variable, and plot and interpret the results:</p> <p style="text-align: center;"><b>SEE BELOW</b></p>					
<p><b>1.1</b> Use information taken from a graph or equation to answer questions about a problem situation.</p>	<p><b>Module: Geometry</b> Unit: Coordinate Geometry and Algebra <u>Session 1</u>: The Coordinate Plane <b>Module: Data Analysis and Probability</b> Unit: Modeling and Displaying Events <u>Session 1</u>: Displaying and Analyzing Data</p>	<p><b>Module: Integers &amp; Order of Operations</b> Unit: Adding and Subtracting Signed Numbers <u>Session 2</u>: Adding with Absolute Value <u>Session 3</u>: Subtracting with Absolute Value</p>	<p><b>Module: Fundamentals of Statistics</b> Unit: Interpreting and Constructing Graphs <u>Session 1</u>: Exploring Line Graphs <u>Session 2</u>: Exploring Bar Graphs <u>Session 3</u>: Interpreting Pie Charts <b>Module: Fundamentals of Statistics</b> Unit: Frequency Distribution and Histograms <u>Session 2</u>: Defining a Histogram <u>Session 3</u>: Exploring Cumulative Frequency Graphs</p>		

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**Algebra and Functions**

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<p><b>1.2</b> Use a letter to represent an unknown number; write and evaluate simple algebraic expressions in one variable by substitution.</p>			<p><b>Module: Essentials of Algebra</b> Unit: Algebra Fundamentals <u>Session 1</u>: Introducing Variables <u>Session 3</u>: Replacing Variables in a Formula</p> <p><b>Module: Essentials of Algebra</b> Unit: Evaluating an Algebraic Expression <u>Session 1</u>: Representing the Dimensions and Area of a Rectangle <u>Session 3</u>: Evaluating Expressions Using Substitution</p> <p><b>Module: Essentials of Algebra</b> Unit: Simple Equations <u>Session 1</u>: Using Variables to Express Relationships</p> <p><b>Module: Essentials of Algebra</b> Unit: Variables on Both Sides of the Equation <u>Session 3</u>: Checking the Solution to an Equation</p>	<p><b>Module: The Language of Algebra</b> Unit: Variables, Expressions, and Equations <u>Session 1</u>: Translating Words into Expressions <u>Session 3</u>: Evaluating and Simplifying Expressions</p>	

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<b>1.3</b> Know and use the distributive property in equations and expressions with variables.			<b>Module: Essentials of Algebra</b> Unit: Evaluating an Algebraic Expression <u>Session 2: Combining Like Terms</u> <b>Module: Essentials of Algebra</b> Unit: Simple Equations <u>Session 2: Simplifying Algebraic Expressions</u>	<b>Module: The Language of Algebra</b> Unit: Variables, Expressions, and Equations <u>Session 2: Applying Properties of Real Numbers</u>	
<b>1.4</b> Identify and graph ordered pairs in the four quadrants of the coordinate plane.	<b>Module: Geometry</b> Unit: Coordinate Geometry and Algebra <u>Session 1: The Coordinate Plan</u>  <b>The Graphing Tool</b>			<b>Module: Linear Functions &amp; Equations</b> Unit: The Rectangular Coordinate Plane <u>Session 1: Graphing Ordered Pairs</u>  <b>The Graphing Tool</b>	
<b>1.5</b> Solve problems involving linear functions with integer values; write the equation; and graph the resulting ordered pairs of integers on a grid.			<b>Module: Essentials of Algebra</b> Unit: Simple Equations <u>Session 3: Solving Simple Equations</u>	<b>Module: The Language of Algebra</b> Unit: Linear Equations in One Variable <u>Session 1: Applying Inverse Operations</u> <u>Session 2: Transforming Equations Using Multiple Operations</u>	

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**Algebra and Functions**

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<p><b>1.5</b> Solve problems involving linear functions with integer values; write the equation; and graph the resulting ordered pairs of integers on a grid. (Continued)</p>			<p><b>Module: Essentials of Algebra</b> Unit: Solving Literal Equations <u>Session 3</u>: Substituting Values and Solving an Equation  <b>The Graphing Tool</b></p>	<p><b>Module: Linear Functions &amp; Equations</b> Unit: The Rectangular Coordinate Plane <u>Session 1</u>: Graphing Ordered Pairs  <b>The Graphing Tool</b></p>	

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**Measurement and Geometry**

	Mastering Skills & Concepts: Course III	Mastering Skills & Concepts: Course IV	Mastering Skills & Concepts: Course V	Mastering Algebra I: Course 1	Mastering Algebra I: Course 2
<p><b>1.0</b> Students understand and compute the volumes and areas of simple objects:</p> <p style="text-align: center;"><b>SEE BELOW</b></p>					
<p><b>1.1</b> Derive and use the formula for the area of a triangle and of a parallelogram by comparing it with the formula for the area of a rectangle (i.e., two of the same triangles make a parallelogram with twice the area; a parallelogram is compared with a rectangle of the same area by cutting and pasting a right triangle on the parallelogram).</p>	<p><b>Module: Geometry</b> Unit: Measurement <u>Session 4:</u> Parallelograms and Trapezoids</p>		<p><b>Module: Fundamentals of Geometry</b> Unit: Triangles <u>Session 1:</u> Classifying Triangles by Sides <u>Session 2:</u> Exploring the Area of a Triangle</p>		
<p><b>1.2</b> Construct a cube and rectangular box from two-dimensional patterns and use these patterns to compute the surface area for these objects.</p>	<p><b>Module: Geometry</b> Unit: Measurement <u>Session 4:</u> Parallelograms and Trapezoids</p>		<p><b>Module: Fundamentals of Geometry</b> Unit: Volume and Surface Area <u>Session 2:</u> Calculating the Surface Area of a Right Triangular Prism</p>		

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**Measurement and Geometry**

	Mastering Skills & Concepts: Course III	Mastering Skills & Concepts: Course IV	Mastering Skills & Concepts: Course V	Mastering Algebra I: Course 1	Mastering Algebra I: Course 2
<p><b>1.3</b> Understand the concept of volume and use the appropriate units in common measuring systems (i.e., cubic centimeter <math>[cm^3]</math>, cubic meter <math>[m^3]</math>, cubic inch <math>[in^3]</math>, cubic yard <math>[yd^3]</math>) to compute the volume of rectangular solids.</p>			<p><b>Module:</b> <b>Fundamentals of Geometry</b> Unit: Volume and Surface Area <u>Session 1:</u> Calculating the Volume of a Right Triangular Prism</p>		
<p><b>1.4</b> Differentiate between, and use appropriate units of measures for, two- and three-dimensional objects (i.e., find the perimeter, area, volume).</p>	<p><b>Module: Geometry</b> Unit: Measurement <u>Session 2:</u> Rectangles and Squares (Minimal) <u>Session 4:</u> Parallelograms and Trapezoids (Minimal)</p>		<p><b>Module:</b> <b>Fundamentals of Geometry</b> Unit: Triangles <u>Session 2:</u> Exploring the Area of a Triangle <b>Module:</b> <b>Fundamentals of Geometry</b> Unit: Volume and Surface Area <u>Session 1:</u> Calculating the Volume of a Right Triangular Prism <u>Session 2:</u> Calculating the Surface area of a Right Triangular Prism <u>Session 3:</u> Calculating the Volume and Surface Area of a Right Cylinder</p>		

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**Measurement and Geometry**

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<p><b>2.0</b> Students identify, describe, and classify the properties of, and the relationships between, plane and solid geometric figures:</p> <p style="text-align: center;"><b>SEE BELOW</b></p>					
<p><b>2.1</b> Measure, identify, and draw angles, perpendicular and parallel lines, rectangles, and triangles by using appropriate tools (e.g., straightedge, ruler, compass, protractor, drawing software).</p>	<p><b>Module: Geometry</b> Unit: Measurement <u>Session 1</u>: Lines, Angles, and Circles <u>Session 2</u>: Rectangles and Squares <u>Session 3</u>: Triangles</p> <p><b>The Graphing Tool</b></p>		<p><b>Module: Fundamentals of Geometry</b> Unit: Geometry Fundamentals <u>Session 1</u>: Naming and Measuring Angles</p> <p><b>The Graphing Tool</b></p>	<p><b>Module: Systems of Linear Equations</b> Unit: Graphic Solutions of Linear Systems <u>Session 2</u>: Graphing Parallel &amp; Perpendicular Lines</p> <p>(Possibly too advanced for Grade 5 students.)</p>	
<p><b>2.2</b> Know that the sum of the angles of any triangle is <math>180^\circ</math> and the sum of the angles of any quadrilateral is <math>360^\circ</math> and use this information to solve problems.</p>	<p><b>Module: Geometry</b> Unit: Measurement <u>Session 3</u>: Triangles</p>		<p><b>Module: Fundamentals of Geometry</b> Unit: Triangles <u>Session 3</u>: Classifying Triangles by Angles</p>		
<p><b>2.3</b> Visualize and draw two-dimensional views of three-dimensional objects made from rectangular solids.</p>	<p><b>Module: Geometry</b> Unit: Measurement <u>Session 2</u>: Rectangles and Squares</p>				

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**Statistics, Data Analysis, and Probability**

	<b>Mastering Skills &amp; Concepts: Course III</b>	<b>Mastering Skills &amp; Concepts: Course IV</b>	<b>Mastering Skills &amp; Concepts: Course V</b>	<b>Mastering Algebra I: Course 1</b>	<b>Mastering Algebra I: Course 2</b>
<p><b>1.0</b> Students display, analyze, compare, and interpret different data sets, including data sets of different sizes:</p> <p style="text-align: center;"><b>SEE BELOW</b></p>					
<p><b>1.1</b> Know the concepts of mean, median, and mode; compute and compare simple examples to show that they may differ.</p>	<p><b>Module: Data Analysis and Probability</b> Unit: Modeling and Displaying Events <u>Session 1</u>: Displaying and Analyzing Data</p>		<p><b>Module: Fundamentals of Statistics</b> Unit: The Mean, Median, and Mode <u>Session 1</u>: Defining the Mean and Median <u>Session 2</u>: Defining the Mode <u>Session 3</u>: Calculating the Mean, Median, and Mode</p>		
<p><b>1.2</b> Organize and display single-variable data in appropriate graphs and representations (e.g., histogram, circle graphs) and explain which types of graphs are appropriate for various data sets.</p>	<p><b>Module: Data Analysis and Probability</b> Unit: Modeling and Displaying Events <u>Session 1</u>: Displaying and Analyzing Data</p>		<p><b>Module: Fundamentals of Statistics</b> Unit: Interpreting and Constructing Graphs <u>Session 1</u>: Exploring Line Graphs <u>Session 2</u>: Exploring Bar Graphs <u>Session 3</u>: Interpreting Pie Charts</p>		

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<p><b>1.2</b> Organize and display single-variable data in appropriate graphs and representations (e.g., histogram, circle graphs) and explain which types of graphs are appropriate for various data sets.</p> <p style="text-align: center;">(Continued)</p>			<p><b>Module: Fundamentals of Statistics</b> Unit: Frequency Distributions in Histograms <u>Session 1</u>: Creating and Interpreting a Frequency Table <u>Session 2</u>: Defining a Histogram <u>Session 3</u>: Exploring Cumulative Frequency Graphs</p>		
<p><b>1.3</b> Use fractions and percentages to compare data sets of different sizes.</p>	<p><b>Module: Fractions</b> Unit: Proper and Improper Fractions <u>Session 1</u>: Proper Fractions <u>Session 4</u>: Ordering and Rounding Fractions</p>	<p><b>Module: Fractions</b> Unit: Equivalent Fractions <u>Session 3</u>: Writing and Comparing Equivalent Fractions</p>	<p><b>Module: Fundamentals of Statistics</b> Unit: Interpreting and Constructing Graphs <u>Session 3</u>: Interpreting Pie Charts</p>		
<p><b>1.4</b> Identify ordered pairs of data from a graph and interpret the meaning of the data in terms of the situation depicted by the graph.</p>	<p><b>Module: Geometry</b> Unit: Coordinate Geometry and Algebra <u>Session 1</u>: The Coordinate Plane <b>Module: Data Analysis and Probability</b> Unit: Modeling and Displaying Events <u>Session 1</u>: Displaying and Analyzing Data</p>		<p><b>Module: Fundamentals of Statistics</b> Unit: Interpreting and Constructing Graphs <u>Session 1</u>: Exploring Line Graphs</p>	<p><b>Module: Linear Functions &amp; Equations</b> Unit: The Rectangular Coordinate Plane <u>Session 1</u>: Graphing Ordered Pairs <u>Session 2</u>: Defining Slope <u>Session 3</u>: Finding x- and y-Intercepts</p>	

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	<b>Mastering Skills &amp; Concepts: Course III</b>	<b>Mastering Skills &amp; Concepts: Course IV</b>	<b>Mastering Skills &amp; Concepts: Course V</b>	<b>Mastering Algebra I: Course 1</b>	<b>Mastering Algebra I: Course 2</b>
<p><b>1.4</b> Identify ordered pairs of data from a graph and interpret the meaning of the data in terms of the situation depicted by the graph.</p> <p style="text-align: center;">(Continued)</p>	<p><b>The Graphing Tool</b></p>		<p><b>Module: Fundamentals of Statistics</b> Unit: Frequency Distribution and Histograms <u>Session 2</u>: Defining a Histogram <u>Session 3</u>: Exploring Cumulative Frequency Graphs</p> <p><b>The Graphing Tool</b></p>	<p><b>The Graphing Tool</b></p>	<p>The concepts on this page are thoroughly integrated throughout this course.</p>
<p><b>1.5</b> Know how to write ordered pairs correctly; for example, <math>(x, y)</math>.</p>	<p><b>Module: Geometry</b> Unit: Coordinate Geometry and Algebra <u>Session 1</u>: The Coordinate Plane</p> <p><b>Module: Data Analysis and Probability</b> Unit: Modeling and Displaying Events <u>Session 1</u>: Displaying and Analyzing Data</p> <p><b>The Graphing Tool</b></p>			<p><b>Module: Linear Functions &amp; Equations</b> Unit: The Rectangular Coordinate Plane <u>Session 1</u>: Graphing Ordered Pairs</p> <p><b>The Graphing Tool</b></p>	

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**Mathematical Reasoning**

	<b>Mastering Skills &amp; Concepts: Course III</b>	<b>Mastering Skills &amp; Concepts: Course IV</b>	<b>Mastering Skills &amp; Concepts: Course V</b>	<b>Mastering Algebra I: Course 1</b>	<b>Mastering Algebra I: Course 2</b>
<b>1.0</b> Students make decisions about how to approach problems:	<b>The concepts on this page are thoroughly integrated throughout this course.</b>	<b>The concepts on this page are thoroughly integrated throughout this course.</b>	<b>The concepts on this page are thoroughly integrated throughout this course.</b>	<b>The concepts on this page are thoroughly integrated throughout this course.</b>	<b>The concepts on this page are thoroughly integrated throughout this course.</b>
<b>1.1</b> Analyze problems by identifying relationships, distinguishing relevant from irrelevant information, sequencing and prioritizing information, and observing patterns.					
<b>1.2</b> Determine when and how to break a problem into simpler parts.					

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**Mathematical Reasoning**

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<b>2.0</b> Students use strategies, skills, and concepts in finding solutions:	The concepts on this page are thoroughly integrated throughout this course.	The concepts on this page are thoroughly integrated throughout this course.	The concepts on this page are thoroughly integrated throughout this course.	The concepts on this page are thoroughly integrated throughout this course.	The concepts on this page are thoroughly integrated throughout this course.
<b>2.1</b> Use estimation to verify the reasonableness of calculated results.					
<b>2.2</b> Apply strategies and results from simpler problems to more complex problems.					

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**Mathematical Reasoning**

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<b>2.3</b> Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models, to explain mathematical reasoning.	The concepts on this page are thoroughly integrated throughout this course.	The concepts on this page are thoroughly integrated throughout this course.	The concepts on this page are thoroughly integrated throughout this course.	The concepts on this page are thoroughly integrated throughout this course.	The concepts on this page are thoroughly integrated throughout this course.
<b>2.4</b> Express the solution clearly and logically by using the appropriate mathematical notation and terms and clear language, support solutions with evidence in both verbal and symbolic work.					
<b>2.5</b> Indicate the relative advantages of exact and approximate solutions to problems and give answers to a specified degree of accuracy.					
<b>2.6</b> Make precise calculations and check the validity of the results from the context of the problem.					

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**Mathematical Reasoning**

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<b>3.0</b> Students move beyond a particular problem by generalizing to other situations:	The concepts on this page are thoroughly integrated throughout this course.	The concepts on this page are thoroughly integrated throughout this course.	The concepts on this page are thoroughly integrated throughout this course.	The concepts on this page are thoroughly integrated throughout this course.	The concepts on this page are thoroughly integrated throughout this course.
<b>3.1</b> Evaluate the reasonableness of the solution in the context of the original situation.					
<b>3.2</b> Note the method of deriving the solution and demonstrate a conceptual understanding of the derivation by solving similar problems.					
<b>3.3</b> Develop generalizations of the results obtained and the strategies used and apply them in other circumstances.					