

iSUCCEED MATH™ © 2008

Volumes I-V & Courseware

correlated to

Maryland Mathematics Voluntary State
Curriculum Grade 7



To review the correlations of iSucceed Math™ to the Maryland Mathematics Voluntary State Curriculum, go to www.greatsource.com/correlations/states/maryland.html.

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Maryland Mathematics Voluntary State Curriculum	<u>Volume I</u> Place Value and Basic Number Skills	<u>Volume II</u> Decimals, Fractions, and other Rational Numbers	<u>Volume III</u> Ratio, Rates, and Percents	<u>Volume IV</u> Expressions and Equations	<u>Volume V</u> Measurement and Geometry
<p>Standard 1.0 Knowledge of Algebra, Patterns, and Functions Students will algebraically represent, model, analyze, or solve mathematical or real-world problems involving patterns or functional relationships.</p> <p>Topic A: Patterns and Functions</p> <p>Indicator: 1. Identify, describe, extend, and create linear patterns and functions</p> <p>A. Complete a function table with a given two-operation rule</p> <p>Assessment limit: Use the operations (+, -, x), numbers no more than 20 in the rule and whole numbers (0-500)</p>			<p>Volume Kit: Teacher's Guide: 41-42</p>	<p>Volume Kit: Teacher's Guide: opportunity may exist 94 Tutoring Plans: 37 Math on Call: 251, 252 Practice Sheets: Numeric Patterns, Tables of Values</p> <hr/> <p>Courseware Lessons: Module – Algebra: <i>Patterns</i> Lessons: Numeric Patterns, Tables of Values</p>	

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<p>C. Describe how a change in one variable in a linear function affects the other variable in a table of values</p>				<p>Volume Kit: Teacher’s Guide: 88-91, 97-98; opportunity also exists 92-95, 99, 114-115, 116-117 Tutoring Plans: 35 Math on Call: 234, 247 Practice Sheet: Tables of Values</p> <hr/> <p>Courseware Lessons: Module – Algebra: <i>Patterns</i> Lesson: Tables of Values</p>	<p>Volume Kit: Practice Sheet: Volume of Prisms</p> <hr/> <p>Courseware Lessons: Module – Advanced Geometry Lesson: Volume of Prisms</p>
<p>Topic B: Expressions, Equations, and Inequalities</p> <p>Indicator 1: Write and evaluate expressions.</p> <p>A. Write an algebraic expression to represent unknown quantities</p> <p>Assessment limit: Use one unknown and one or two operations (+, -, \times, \div with no remainders) with whole numbers, fractions with denominators as factors of 100, or decimals with no more than three decimal places (0-500)</p>				<p>Volume Kit: Teacher’s Guide: 14-17, 18-21, 22-25, 33, 43, 55 106-107, 108-109 Tutoring Plans: 1, 2, 3, 6 Math at Hand: 236-238, 241 Math on Call: 202, 254 Family Activity Letter: Speaking Math Practice Sheet: Variables and Writing Expressions</p> <hr/> <p>Courseware Lessons: Module – Algebra: <i>Expressions and Equations</i> Lesson: Variables and Writing Expressions</p>	<p>Volume Kit: Teacher’s Guide: 45, 73, 81</p>

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<p>B. Evaluate algebraic expressions</p> <p>Assessment limit: Use one unknown and no more than two operations (+, -, \times, \div with no remainders) with whole numbers (0 – 200), fractions with denominators as factors of 100 (0 – 100), or decimals with no more than three decimal places (0 – 100)</p>				<p>Volume Kit: Teacher’s Guide: 14-21, 22-33, 48-55, 106-107, 108-109, 110-111, 112-113, 114-115, 116-117 Tutoring Plans: 4, 6, 11, 13, 14, 15, 16, 17 Math at Hand: 239, 242-243 Math on Call: 206, 240-242, 254, 258-260 Family Activity Letter: Skillful Substitutions Practice Sheet: Evaluating Expressions and Solving Equations by Substitution</p> <hr/> <p>Courseware Lessons: Module – Algebra: <i>Expressions and Equations</i> Lesson: Evaluation Expressions and Solving Equations by Substitution</p>	<p>Volume Kit: Teacher’s Guide: 45, 73, 81</p>

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<p>C. Evaluate numeric expressions using the order of operations</p> <p>Assessment limit: Use no more than 4 operations (+, -, \times, \div with no remainders) with or without up to 2 sets of parentheses, brackets, or a division bar, with whole numbers (0 – 200), fractions with denominators as factors of 100 (0 – 100), or decimals with no more than three decimal places (0 – 100)</p>	<p>Volume Kit: Tutoring Plans: 48 Math to Know: 253 Practice Sheet: Order of Operations</p> <hr/> <p>Courseware Lessons: Module – <i>Whole-Number Division</i> Lesson: Order of Operations</p>	<p>Volume Kit: Teacher’s Guide: 125 Math at Hand: 212-214</p>		<p>Volume Kit: Teacher’s Guide: 30-33, 112-113 Math on Call: 207-210</p> <p>Practice Sheets: Evaluation Expressions and Solving Equations by Substitution, Solving Addition and Subtraction Equations with Whole Numbers, Solving Multiplication and Division Equations with Whole Numbers, Solving Equations with Integers</p> <hr/> <p>Courseware Lessons: Module – <i>Algebra: Expressions and Equations</i> Lessons: Evaluation Expressions and Solving Equations by Substitution, Solving Addition and Subtraction Equations with Whole Numbers, Solving Multiplication and Division Equations with Whole Numbers, Solving Equations with Integers</p>	

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<p>D. Simplify algebraic expressions represented as physical models by combining like terms</p>				<p>Volume Kit: Teacher's Guide: opportunity exists 49-50, 52-55 Tutoring Plans: 12 Math at Hand: 212-214 Math on Call: 239-240</p>	<p>Volume Kit: Teacher's Guide: 73</p>
<p>Indicator 2: Identify, write, solve, and apply equations and inequalities</p> <p>A. Write equations and inequalities to represent relationships</p> <p>Assessment limit: Use a variable, the appropriate relational symbols ($>$, \geq, $<$, \leq, $=$), and one or two operational symbols ($+$, $-$, \times, \div) on either side and use whole numbers, fractions with denominators as factors of 100, or decimals with no more than three decimal places (0 – 500)</p>		<p>Volume Kit: Teacher's Guide: 7, 18-21, 80-83, 154-157 Tutoring Plans: 6, 7, 36, 37, 46, 76, 88 Math at Hand: 016, 038, 042, 047, 048</p>	<p>Volume Kit: Teacher's Guide: 7</p>	<p>Volume Kit: Teacher's Guide: 44, 46, 51, 55, 90, 95 Tutoring Plans: 2, 3, 6, 7 Math at Hand: 241 Math on Call: 202, 254, 257 Family Activity Letter: Speaking Math Practice Sheets: Variables and Writing Expressions, Solving Addition and Subtraction Equations with Whole Numbers, Solving Multiplication and Division Equations with Whole Numbers, Solving Equations with Integers</p>	<p>Volume Kit: Teacher's Guide: 7</p>

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<p>A. Write equations and inequalities to represent relationships (continued)</p>				<p>Courseware Lessons: Module – Algebra: <i>Expressions and Equations</i> Lessons: Variables and Writing Expressions, Solving Addition and Subtraction Equations with Whole Numbers, Solving Multiplication and Division Equations with Whole Numbers, Solving Equations with Integers</p>	
<p>B. Determine the unknown in a linear equation</p> <p>Assessment limit: Use one or two operations (+, -, \times) and the unknown only once with whole numbers (0 – 500), fractions with denominators as factors of 100 (0 – 50), or decimals with no more than three decimal places (0 – 100)</p>				<p>Volume Kit: Teacher’s Guide: 88-91, 92-95, 97-99, 114-115, 116-117 Tutoring Plans: 35 Math on Call: 234, 247 Practice Sheets: Solving Addition and Subtraction Equations with Whole Numbers, Solving Multiplication and Division Equations with Whole Numbers, Solving Equations with Integers</p> <hr/> <p>Courseware Lessons: Module – Algebra: <i>Expressions and Equations</i> Lessons: Solving Addition and Subtraction Equations with Whole Numbers,</p>	

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<p>B. Determine the unknown in a linear equation (continued)</p>				<p>Courseware Lessons: (continued) Solving Multiplication and Division Equations with Whole Numbers, Solving Equations with Integers</p>	
<p>C. Solve for the unknown in an inequality Assessment limit: Use an inequality with one variable with a positive whole number coefficient and one operation (+, -, \times, \div with no remainders) using whole numbers or decimals with no more than 2 decimal places (0 – 500)</p>				<p>Volume Kit: Tutoring Plans: 17 Math on Call: 258-260</p>	
<p>D. Identify or graph solutions of inequalities on a number line Assessment limit: Use whole numbers (0 – 50)</p>				<p>Volume Kit: Tutoring Plans: opportunity exists 17 Math on Call: 258-260</p>	
<p>E. Apply given formulas to a problem solving situation Assessment limit: Use formulas having no more than three variables and up to two operations, with whole numbers, fractions with denominators as factors of 100, or decimals with no more than three decimal places (0 – 100)</p>			<p>Volume Kit: Teacher’s Guide: 54-57 Tutoring Plans: 3 Math at Hand: 185</p>	<p>Volume Kit: Tutoring Plans: 3, 10, 21 Math at Hand: 224-226, Math on Call: 202, 234 Family Activity Letters: Hot or Cold?</p>	<p>Volume Kit: Teacher’s Guide: 36, 41, 45, 49, 85, 91, 103, 107, 110-111 Tutoring Plans: 28, 29, 31, 33, 39, 41-46, opportunity also exists 9, 18, 19 Math at Hand: 297, 298, 301-303, 305-307, 309-311, 313-314, 326-327, 359, 368, 485-487 Math on Call: 359, 408, 411-413, 418</p>

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<p>E. Apply given formulas to a problem solving situation (continued)</p>					<p>Practice Sheets: Perimeter, Perimeter and Area of a Rectangle, Area of a Triangle, Circumference and Area of a Circle, Volume of Prisms</p> <hr/> <p>Courseware Lessons: Module – Basic Geometry Lessons: Perimeter, Perimeter and Area of a Rectangle, Area of a Triangle, Circumference and Area of a Circle; Module – Advanced Geometry Lesson: Volume of Prisms</p>
<p>Topic C: Numeric and Graphic Representations of Relationships</p> <p>Indicator 1: Locate points on a number line and on a coordinate plane</p> <p>A. Represent rational numbers on a number line</p> <p>Assessment limit: Use rational numbers (-100 to 100)</p>		<p>Volume Kit: Teacher’s Guide: 150-153, 154, 156, 160, 164 Tutoring Plans: 86, 88, 89 Math at Hand: 027, 048, 049, 108 Practice Sheet: Graphing Integers</p> <hr/> <p>Courseware Lesson: Module – Positive and Negative Integers Lesson: Graphing Integers</p>			

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<p>B. Graph ordered pairs in a coordinate plane. Assessment limit: Use no more than 4 ordered pairs of rational numbers (-20 to 20)</p>				<p>Volume Kit: Teacher's Guide: 84-103, 114-115, 116-117 Tutoring Plans: 32, 34 Math at Hand: 265-266 Math on Call: 318-320 Practice Sheets: Graphing Ordered Pairs, Graphing Ordered Pairs in the Coordinate Plane</p> <hr/> <p>Courseware Lessons: Module – Data and Graphs Lessons: Graphing Ordered Pairs, Graphing Ordered Pairs in the Coordinate Plane</p>	
<p>C. Graph linear equations with one operation in a coordinate plane</p>				<p>Volume Kit: Teacher's Guide: 88-91, 92-95, 97-99, 114-115, 116-117 Tutoring Plans: 35 Math on Call: 234, 247</p>	
<p>Indicator 2: Analyze linear relationships</p> <p>A. Identify and describe the change represented in a table of values</p> <p>Assessment limit: Identify increase, decrease, or no change</p>				<p>Volume Kit: Teacher's Guide: 100-103 Tutoring Plans: 36 Math on Call: 248 Practice Sheet: Tables of Values</p> <hr/> <p>Courseware Lesson: Module – Algebra: Patterns Lesson: Tables of Values</p>	

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<p>B. Describe the rate of change of a linear relationship by a table of values and a graph</p>				<p>Volume Kit: Teacher's Guide: opportunity exists 100-103 Tutoring Plans: opportunity exists 36 Math on Call: 248</p>	
<p>Standard 2.0 Knowledge of Geometry Students will apply the properties of one-, two-, or three-dimensional geometric figures to describe, reason, or solve problems about shape, size, position, or motion of objects.</p> <p>Topic A: Plane geometric figures Indicator 1. Analyze the properties of plane geometric figures</p> <p>A. Identify and describe angles formed by intersecting lines, line segments, and rays Assessment limit: Use vertical, adjacent, complementary, or supplementary angles (Include the angle symbol \angle)</p>					<p>Volume Kit: Teacher's Guide: 54-61 Tutoring Plans: 23, 24 Math at Hand: 344-347, 350-351 Practice Sheet: Classifying Angles</p> <hr/> <p>Courseware Lessons: Module – Basic Geometry Lesson: Classifying Angles</p>
<p>C. Identify the parts of right triangles</p>					<p>Volume Kit: Teacher's Guide: 78-81, 118-119 Tutoring Plans: 30, 39 Math at Hand: 360-363 Math on Call: 359</p>

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<p>Indicator 2: Analyze geometric relationships</p> <p>A. Determine a missing angle measurement using the sum of the interior angles of polygons.</p> <p>Assessment limit: Use angle measures in a quadrilateral</p>					<p>Volume Kit: Teacher's Guide: 63-65 Practice Sheet: Circumference and Area of a Circle</p> <hr/> <p>Courseware Lessons: Module – Basic Geometry Lesson: Circumference and Area of a Circle</p>
<p>B. Determine the measure of angles formed by intersecting lines, line segments, and rays.</p> <p>Assessment limit: Use vertical, adjacent, complementary, or supplementary angles</p>					<p>Volume Kit: Teacher's Guide: 58-61 Tutoring Plans: opportunity exists 23, 24 Math at Hand: 344-347, 350-351 Practice Sheet: Circumference and Area of a Circle</p> <hr/> <p>Courseware Lessons: Module – Basic Geometry Lesson: Circumference and Area of a Circle</p>
<p>C. Describe the relationship between the legs and hypotenuse of right triangles</p>					<p>Volume Kit: Teacher's Guide: 78-81 Tutoring Plans: 39 Math on Call: 359</p>

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<p>Topic C: Representation of Geometric Figures</p> <p>Indicator 1: Represent plane geometric figures</p> <p>A. Construct geometric figures using a variety of construction tools</p> <p>Assessment limit: Construct a circle using a given line segment as the radius in whole number inches or centimeters</p>					<p>Volume Kit: Teacher's Guide: opportunity may exist 46-49, 66-69, and 82-111 Tutoring Plans: opportunity may exist 22, 27, 30, 32, 40-46 Math at Hand: 306-307, 309-311, 355-357, 360-367, 382-383, 385-386, 388, 390, 392 Math on Call: 408, 411-413, 418 Family Activity Letter: opportunity exists Getting Into Shape(s)</p>
<p>C. Construct geometric figures using a variety of construction tools</p> <p>Assessment limit: Construct a perpendicular bisector to a given line segment or a bisector of a given angle</p>					<p>Volume Kit: Tutoring Plans: opportunity may exist 21 Math at Hand: 340-342</p>
<p>Topic D: Congruence and Similarity</p> <p>Indicator 1: Analyze the properties of congruent polygons</p> <p>A. Determine the congruent parts of polygons</p> <p>Assessment limit: Use the length of corresponding sides or the measure of corresponding angles and whole numbers (0 – 1000)</p>					<p>Volume Kit: Teacher's Guide: 74-77 Tutoring Plans: 36, 37 Math at Hand: 372-374</p>

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<p>B. Identify and describe similar polygons and their corresponding parts</p>					<p>Volume Kit: Teacher's Guide: 70-73, 75-77 Tutoring Plans: 38 Math at Hand: 369 Practice Sheet: Similarity</p> <hr/> <p>Courseware Lessons: Module – Advanced Geometry Lesson: Similarity</p>
<p>Topic E: Transformations Indicator 1: Analyze a transformation on a coordinate plane</p> <p>A. Identify, describe, and plot the results of one transformation on a coordinate plane Assessment limit: Identify or plot the result of one translation (horizontal or vertical), reflection (horizontal or vertical), or rotation about a given point (90° or 180°)</p>				<p>Volume Kit: Practice Sheet: Graphing Ordered Pairs</p> <hr/> <p>Courseware Lessons: Module – Data and Graphs Lesson: Graphing Ordered Pairs</p>	
<p>Standard 3.0 Knowledge of Measurement Students will identify attributes, units, or systems of measurements or apply a variety of techniques, formulas, tools or technology for determining measurements.</p> <p>Topic C: Applications of Measurement Indicator 1: Estimate and apply measurement formulas</p> <p>A. Estimate and determine the area of quadrilaterals Assessment limit: Use parallelograms or trapezoids and whole number dimensions (0 – 1000)</p>					<p>Volume Kit: Teacher's Guide: 38-41, 42-45, 116-117 Tutoring Plans: 26, 28, 29 Math at Hand: 297, 299-303 Practice Sheet: Perimeter and Area of a Rectangle</p> <hr/> <p>Courseware Lessons: Module – Basic Geometry Lesson: Perimeter and Area of a Rectangle</p>

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<p>B. Determine the surface area of geometric solids</p> <p>Assessment limit: Use rectangular prisms with whole number dimensions (0 – 1000)</p>					<p>Volume Kit: Teacher's Guide: 88-91 Tutoring Plans: 41 Math at Hand: 306-308 Practice Sheet: Volume of Prisms</p> <hr/> <p>Courseware Lessons: Module – Advanced Geometry Lesson: Volume of Prisms</p>
<p>D. Estimate and determine the volume of a triangular prism</p>					<p>Volume Kit: Teacher's Guide: 96-99 Math on Call: 397</p>
<p>Indicator 2: Analyze measurement relationships</p> <p>A. Determine a missing dimension for a figure using a scale. Assessment limit: Use a polygon with no more than 8 sides using whole numbers (0 – 1000)</p>					<p>Volume Kit: Practice Sheet: Volume of Prisms</p> <hr/> <p>Courseware Lessons: Module – Advanced Geometry Lesson: Volume of Prisms</p>

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<p>Standard 4.0 Knowledge of Statistics Students will collect, organize, display, analyze, or interpret data to make decision or predictions.</p> <p>Topic A: Data Displays</p> <p>Indicator 1: Organize and display data</p> <p>A. Organize and display data using back-to-back stem-and-leaf plots Assessment limit: Use no more than 20 data points using whole numbers (0–99)</p>				<p>Volume Kit: Tutoring Plans: opportunity may exist 29 <i>Math at Hand:</i> 284</p>	
<p>B. Organize and display data to make circle graphs</p>			<p>Volume Kit: Teacher’s Guide: 44-47 Math on Call: 296 Practice Sheet: Relating Fractions, Decimals and Percents</p> <hr/> <p>Courseware Lessons: Module – Percents Lesson: Relating Fractions, Decimals and Percents</p>	<p>Volume Kit: Tutoring Plans: 28 <i>Math at Hand:</i> 272, 276</p>	

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<p>Topic B: Data Analysis</p> <p>Indicator 1: Analyze data</p> <p>A. Recognize and analyze faulty interpretation or representation of data</p> <p>Assessment limit: Use the choice of graphical display or the scale as leading to faulty interpretation or representation of data</p>				<p>Volume Kit: Teacher's Guide: opportunity exists throughout Analyzing Data module, 65-81 Tutoring Plans: opportunity exists throughout Module: Data and Graphs, 23-37 Practice Sheet: Pictographs</p> <hr/> <p>Courseware Lessons: Module – Data and Graphs Lesson: Pictographs</p>	
<p>B. Determine the best choice of a data display</p> <p>Assessment limit: Use a given data set</p>				<p>Volume Kit: Practice Sheet: Line Graphs</p> <hr/> <p>Courseware Lessons: Module – Data and Graphs Lesson: Line Graphs</p>	

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<p>Indicator 2: Describe a set of data</p> <p>A. Analyze measures of central tendency to determine or apply mean, median, mode</p> <p>Assessment limit: Use no more than 15 pieces of data for the mean or median; or 15 to 30 pieces of data for the mode, using whole numbers or decimals with no more than 2 decimal places (0 – 100)</p>		<p>Volume Kit: Practice Sheets: Subtracting Negative Integers, Dividing Integers</p> <hr/> <p>Courseware Lessons: Module – Positive and Negative Integers Lessons: Subtracting Negative Integers, Dividing Integers</p>		<p>Volume Kit: Tutoring Plans: 30 Math at Hand: 257, 259-263 Practice Sheets: Mean, Median, Mode and Range, Probability of Complementary Events</p> <hr/> <p>Courseware Lessons: Module – Data and Graphs Lesson: Mean, Median, Mode and Range; Module – Probability Lesson: Probability of Complementary Events</p>	
<p>Standard 5.0 Knowledge of Probability Students will use experimental methods or theoretical reasoning to determine probabilities to make predictions or solve problems about events whose outcomes involve random variation.</p> <p>Topic A: Sample Space</p> <p>A. Determine the number of outcomes</p> <p>Assessment limit: Use no more than 3 independent events with a sample space of no more than 6 outcomes in each event.</p>				<p>Volume Kit: Teacher’s Guide: 71-73, 76-77 Tutoring Plans: 38, 39 Math at Hand: 286, 287 Practice Sheet: Sample Spaces</p> <hr/> <p>Courseware Lessons: Module – Probability Lesson: Sample Spaces</p>	

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<p>Topic B: Theoretical Probability</p> <p>Indicator 1: Determine the probability of an event comprised of no more than 2 independent events</p> <p>A. Express the probability of an event as a fraction, a decimal, or a percent</p> <p>Assessment limit: Use a sample space of no more than 35 outcomes and decimals with no more than 2 decimal places</p>				<p>Volume Kit: Teacher's Guide: 71-77, 78-81 Tutoring Plans: 39, 40, 41, 43, 44 Math at Hand: 286, 287 Math on Call: 466-467, 469-470 Family Activity Letter: Coin Toss Practice Sheets: Probability of Simple Events, Probability of Complementary Events, Experimental Probability</p> <hr/> <p>Courseware Lessons: Module – Probability Lessons: Probability of Simple Events, Probability of Complementary Events, Experimental Probability</p>	

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<p>Topic C: Experimental Probability</p> <p>Indicator 1: Analyze the results of a survey or simulation</p> <p>A. Make predictions and express the probability of the results as a fraction, a decimal with no more than 2 decimal places, or a percent</p> <p>Assessment limit: Use results of 25 or 50</p>				<p>Volume Kit: Teacher's Guide: opportunity exists 71-77, 78-81 Tutoring Plans: opportunity exists 39, 40, 41, 43, 44 Math at Hand: 286, 287 Math on Call: 466-467, 469-470 Family Activity Letter: opportunity exists Coin Toss Practice Sheet: Experimental Probability</p> <hr/> <p>Courseware Lessons: Module – Probability Lesson: Experimental Probability</p>	
<p>Indicator 2: Conduct a probability experiment</p>				<p>Volume Kit: Teacher's Guide: 73, 74-77 Tutoring Plans: 44 Math on Call: 466-467 Family Activity Letter: Coin Toss Practice Sheet: Experimental Probability</p> <hr/> <p>Courseware Lessons: Module – Probability Lesson: Experimental Probability</p>	

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<p>Indicator 3: Compare outcomes of theoretical probability with the results of experimental probability</p>				<p>Volume Kit: Teacher's Guide: 75; opportunity also exists 76-77 Tutoring Plans: 44 Math on Call: 466-467 Family Activity Letter: Coin Toss Practice Sheet: Experimental Probability</p> <hr/> <p>Courseware Lessons: Module – Probability Lesson: Experimental Probability</p>	
<p>Indicator 4: Describe the difference between theoretical and experimental probability</p>				<p>Volume Kit: Teacher's Guide: 75 Tutoring Plans: 44 Math on Call: 466-467 Family Activity Letter: Coin Toss Practice Sheet: Experimental Probability</p> <hr/> <p>Courseware Lessons: Module – Probability Lesson: Experimental Probability</p>	

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<p>Standard 6.0 Knowledge of Number Relationships and Computation/ Arithmetic Students will describe, represent, or apply numbers or their relationships or will estimate or compute using mental strategies, paper/pencil or technology.</p> <p>Topic A: Knowledge of Number and Place Value</p> <p>Indicator 1: Apply knowledge of whole numbers and place value</p> <p>A. Read, write, and represent whole numbers Assessment limit: Use exponential notation with bases no more than 12 and exponents no more than 3 in standard form (0 – 1000)</p>	<p>Throughout all five Volume Kits, students are reading, writing and representing whole numbers. Throughout all series, students are reading, writing, and representing whole numbers.</p>			<p>Volume Kit: Practice Sheet: Exponents and Prime Factorization</p> <hr/> <p>Courseware Lessons: Module – Algebra: <i>Expressions and Equations</i> Lesson: Exponents and Prime Factorization</p>	
<p>B. Express decimals using expanded form Assessment limit: Use decimals with no more than 4 decimal places (0 – 100)</p>		<p>Volume Kit: Practice Sheet: Decimals Through Thousandths</p> <hr/> <p>Courseware Lessons: Module – Decimals Lesson: Decimals through Thousandths</p>			

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<p>C. Determine equivalent forms of rational numbers expressed as fractions, decimal, percents, and ratios</p> <p>Assessment limit: Use positive rational numbers (0 – 100)</p>		<p>Volume Kit: Teacher’s Guide: 151, 168 Tutoring Plans: 93 Math at Hand: 065 Practice Sheets: Relating Fractions and Decimals, Rewriting Fractions and Mixed Numbers, Relating Mixed Numbers and Decimals</p> <hr/> <p>Courseware Lessons: Module – <i>Understanding and Adding Fractions</i> Lesson: Relating Fractions and Decimals; Module – Mixed Numbers Lessons: Rewriting Fractions and Mixed Numbers, Relating Mixed Numbers and Decimals</p>	<p>Volume Kit: Teacher’s Guide: 32, 35, 40-47, 50-53, 60-61, 62-63 Tutoring Plans: 7, 10 Math at Hand: 020, 035, 044, 184, 189-190 Practice Sheets: Relating Fractions, Decimals and Percents, Percents Greater than 100%</p> <hr/> <p>Courseware Lessons: Module – Percents Lessons: Relating Fractions, Decimals and Percents, Percents Greater than 100%</p>		

<p>Maryland Mathematics Voluntary State Curriculum</p>	<p><u>Volume I</u> Place Value and Basic Number Skills</p>	<p><u>Volume II</u> Decimals, Fractions, and other Rational Numbers</p>	<p><u>Volume III</u> Ratio, Rates, and Percents</p>	<p><u>Volume IV</u> Expressions and Equations</p>	<p><u>Volume V</u> Measurement and Geometry</p>
<p>D. Compare, order, and describe rational numbers with or without relational symbols (<, >, =) Sample Assessments Assessment limit: Use no more than 4 fractions with denominators that are factors of 300 that are less than 101 (0-100), decimals with no more than 4 decimal places (0-100), percents (0-100) or integers (-100 to 100)</p>		<p>Volume Kit: Teacher’s Guide: 157-157 Tutoring Plans: 88 Math at Hand: 048, 049 Practice Sheets: Comparing and Ordering Decimals Through Hundredths, Comparing and Ordering Decimals through Thousandths, Rounding Decimals through Hundredths, Relating Fractions and Decimals, Comparing Fractions, Ordering Fractions, Relating Mixed Numbers and Decimals</p> <hr/> <p>Courseware Lessons: Module – Decimals Lessons: Comparing and Ordering Decimals Through Hundredths, Comparing and Ordering Decimals through Thousandths, Rounding Decimals through Hundredths; Module – Understanding and Adding Fractions Lessons: Relating Fractions and Decimals, Comparing Fractions, Ordering Fractions;</p>			

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<p>D. Compare, order, and describe rational numbers with or without relational symbols (<, >, =) (continued)</p>		<p>Courseware Lessons: (continued) Module – Mixed Numbers Lesson: Relating Mixed Numbers and Decimals</p>			
<p>Topic C: Number Computation</p> <p>Indicator 1: Analyze number relations and compute</p> <p>A. Add, subtract, multiply, and divide integers</p> <p>Assessment limit: Use one operation (-100 to 100)</p>		<p>Volume Kit: Teacher’s Guide: 134-137, 138-141, 142-145, 146-149 Tutoring Plans: 79, 80, 81, 82, 83, 84, 85 Math at Hand: 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211 Family Activity Letters: An Integer Game Practice Sheets: Adding Positive and Negative Integers, Adding Negative Integers to Negative Integers, Subtracting Positive Integers, Subtracting Negative Integers, Multiplying Integers, Dividing Integers</p>			

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<p>A. Add, subtract, multiply, and divide integers (continued)</p>		<p>Courseware Lessons: Module – <i>Positive and Negative Integers</i> Lessons: Adding Positive and Negative Integers, Adding Negative Integers to Negative Integers, Subtracting Positive Integers, Subtracting Negative Integers, Multiplying Integers, Dividing Integers</p>			
<p>B. Add, subtract, and multiply positive fractions and mixed numbers</p> <p>Assessment limit: Use no more than 2 operations and positive fractions or mixed numbers with denominators as factors of 300 less than 101 (0 – 2000)</p>		<p>Volume Kit: Teacher’s Guide: 134-137, 138-141, 142-145, 146-149 Tutoring Plans: 38, 39, 42, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67 Math at Hand: 158, 159, 160, 161, 163, 164, 166, 165, 166, 168, 169, 170 Family Activity Letters: No-Bake Oatmeal Cookies, Sugar and Spice Cookies, How Can I Get There?, Banana Nut Bread</p>			

<p>Maryland Mathematics Voluntary State Curriculum</p>	<p><u>Volume I</u> Place Value and Basic Number Skills</p>	<p><u>Volume II</u> Decimals, Fractions, and other Rational Numbers</p>	<p><u>Volume III</u> Ratio, Rates, and Percents</p>	<p><u>Volume IV</u> Expressions and Equations</p>	<p><u>Volume V</u> Measurement and Geometry</p>
<p>B. Add, subtract, and multiply positive fractions and mixed numbers (continued)</p>		<p>Practice Sheets: Adding Fractions using Models, Adding Fractions with Like Denominators, Adding Fractions with Unlike Denominators, Adding Mixed Numbers with Like Denominators, Adding Mixed Numbers with Unlike Denominators, Adding Fractions, Adding Mixed Numbers, Subtracting Fractions using Models, Subtracting Fractions with Like Denominators, Subtracting Mixed Numbers with Like Denominators, Subtracting Fractions with Unlike Denominators, Subtracting Mixed Numbers with Unlike Denominators, Subtracting Fractions, Subtracting Fractions and Mixed Numbers from Whole Numbers, Subtracting Mixed Numbers, Multiplying Whole Numbers and Fractions using Models, Multiplying Whole Numbers and Fractions, Multiplying Fractions using Models, Multiplying Fractions, Multiplying Fractions: Finding Ones,</p>			

Maryland Mathematics Voluntary State Curriculum	Volume I Place Value and Basic Number Skills	Volume II Decimals, Fractions, and other Rational Numbers	Volume III Ratio, Rates, and Percents	Volume IV Expressions and Equations	Volume V Measurement and Geometry
B. Add, subtract, and multiply positive fractions and mixed numbers (continued)		<p>Practice Sheets: (continued) Multiplying Mixed Numbers and Whole Numbers using Models, Multiplying Mixed Numbers and Whole Numbers, Multiplying Mixed Numbers and Fractions, Multiplying Mixed Numbers</p> <hr/> <p>Courseware Lessons: Module – <i>Understanding and Adding Fractions</i> Lessons: Adding Fractions using Models, Adding Fractions with Like Denominators, Adding Fractions with Unlike Denominators; Module – Mixed Numbers Lessons: Adding Mixed Numbers with Like Denominators, Adding Mixed Numbers with Unlike Denominators, Adding Fractions, Adding Mixed Numbers; Module – Subtracting Fractions Lessons: Subtracting Fractions using Models, Subtracting Fractions with Like Denominators,</p>			

Maryland Mathematics Voluntary State Curriculum	Volume I Place Value and Basic Number Skills	Volume II Decimals, Fractions, and other Rational Numbers	Volume III Ratio, Rates, and Percents	Volume IV Expressions and Equations	Volume V Measurement and Geometry
B. Add, subtract, and multiply positive fractions and mixed numbers (continued)		<p>Courseware Lessons: (continued) Subtracting Mixed Numbers with Like Denominators, Subtracting Fractions with Unlike Denominators, Subtracting Mixed Numbers with Unlike Denominators, Subtracting Fractions, Subtracting Fractions and Mixed Numbers from Whole Numbers, Subtracting Mixed Numbers; Module – Multiplying Fractions Lessons: Multiplying Whole Numbers and Fractions using Models, Multiplying Whole Numbers and Fractions, Multiplying Fractions using Models, Multiplying Fractions Multiplying Fractions: Finding Ones, Multiplying Mixed Numbers and Whole Numbers using Models Multiplying Mixed Numbers and Whole Numbers, Multiplying Mixed Numbers and Fractions, Multiplying Mixed</p>			

Maryland Mathematics Voluntary State Curriculum	Volume I Place Value and Basic Number Skills	Volume II Decimals, Fractions, and other Rational Numbers	Volume III Ratio, Rates, and Percents	Volume IV Expressions and Equations	Volume V Measurement and Geometry
C. Divide fractions and mixed numbers		<p>Volume Kit: Teacher’s Guide: 64-69, 100-104, 120-123 Tutoring Plans: 69, 70, 71, 72, 73 Math at Hand: 173, 174, 175, 176 Family Activity Letter: That’s Amazing! Practice Sheets: Dividing Whole Numbers by Fractions, Dividing Fractions by Whole Numbers, Dividing Fractions by Fractions, Dividing Mixed Numbers by Whole Numbers, Dividing Mixed Numbers by Fractions and Mixed Numbers</p> <hr/> <p>Courseware Lessons: Module – Dividing Fractions Lessons: Dividing Whole Numbers by Fractions, Dividing Fractions by Whole Numbers, Dividing Fractions by Fractions, Dividing Mixed Numbers by Whole Numbers, Dividing Mixed Numbers by Fractions and Mixed Numbers</p>			

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<p>E. Use the laws of exponents to simplify expressions Assessment limit: Use the rules of exponents (power times power or power divided by power) with the same whole number base (0 – 100) and exponents (0 – 10)</p>				<p>Volume Kit: Teacher’s Guide: 34-37 Tutoring Plans: opportunity exists 5 Math at Hand: 056</p>	
<p>F. Identify and use the properties of addition and multiplication to simplify expressions Assessment limit: Use the commutative property of addition or multiplication, associative property of addition or multiplication, or the identity property for one or zero with whole numbers (0 – 100)</p>	<p>Volume Kit: Practice Sheets: Properties of Addition, The Commutative Property, The Associative Property, The Distributive Property, Order of Operations</p> <hr/> <p>Courseware Lessons: Module – Whole-Number Addition Lesson: Properties of Addition; Module – Whole-Number Multiplication Lessons: The Commutative Property, The Associative Property, The Distributive Property; Module – Whole-Number Division Lesson: Order of Operations</p>	<p>Volume Kit: Practice Sheets: Multiplying Fractions: Finding Ones, Dividing Integers</p> <hr/> <p>Courseware Lessons: Module – Multiplying Fractions Lesson: Multiplying Fractions: Finding Ones; Module – Positive and Negative Integers Lesson: Dividing Integers</p>		<p>Volume Kit: Teacher’s Guide: 18-21, 22-25, 26-29 Tutoring Plans: 8, 9, 10, 12 Math at Hand: 212-214, 216-226 Math on Call: 239-240</p> <p>Practice Sheets: Evaluating Expressions and Solving Equations by Substitution, Solving Addition and Subtraction Equations with Whole Numbers, Solving Multiplication and Division Equations with Whole Numbers</p> <hr/> <p>Courseware Lessons: Module – Multiplying Fractions Lessons: Evaluating Expressions and Solving Equations by Substitution, Solving Addition and Subtraction Equations with Whole Numbers, Solving Multiplication and Division Equations with Whole Numbers</p>	

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<p>G. Determine percent of a number</p>			<p>Volume Kit: Teacher’s Guide: 32-35, 36-39, 40-43 Tutoring Plans: 12 Math at Hand: 193, 197 Family Activity Letters: Nutrition Analysis, That’s “Interest”ing Practice Sheets: Finding the Percent of a Number, Finding the Percent of a Number Using Proportions</p> <hr/> <p>Courseware Lessons: Module – Percents Lessons: Finding the Percent of a Number, Finding the Percent of a Number Using Proportions</p>		
<p>Indicator 2: Estimation</p> <p>A. Determine approximate sums, differences, products, and quotients</p> <p>Assessment limit: Use no more than 3 positive rational numbers (0 – 1000)</p>	<p>Volume Kit: Practice Sheets: Practice Sheets with the same titles as the Courseware Lessons listed below correlate to this standard</p> <hr/> <p>Courseware Lessons: Module – Whole-Number Addition Lessons: Adding Two-Digit Numbers, Adding Two Numbers with Mental Math, Adding Three-Digit Numbers, Adding More than Two Numbers,</p>	<p>Volume Kit: Teacher’s Guide: 31, 32, 36, 39-41, 52, 53, 86 Practice Sheets: Practice Sheets with the same titles as the Courseware Lessons listed below correlate to this standard</p> <hr/> <p>Courseware Lessons: Module – Adding and Subtracting Decimals Lessons: Adding and Subtracting Money,</p>	<p>Volume Kit: Practice Sheet: Finding the Percent of a Number Using Proportions</p> <hr/> <p>Courseware Lessons: Module – Percents Lesson: Finding the Percent of a Number Using Proportions</p>		

Maryland Mathematics Voluntary State Curriculum	<u>Volume I</u> Place Value and Basic Number Skills	<u>Volume II</u> Decimals, Fractions, and other Rational Numbers	<u>Volume III</u> Ratio, Rates, and Percents	<u>Volume IV</u> Expressions and Equations	<u>Volume V</u> Measurement and Geometry
<p>A. Determine approximate sums, differences, products, and quotients (continued)</p>	<p>Courseware Lessons: (continued) Adding Greater Numbers, Adding Three Numbers (Regrouping); Module – Whole-Number Subtraction Lessons: Subtracting Two-Digit Numbers, Subtracting Greater Numbers, Subtracting Across Zeros; Module – Whole-Number Multiplication Lessons: Multiplying by One-Digit Numbers with Regrouping, Multiplying by Two-Digit Numbers; Module – Whole-Number Division Lessons: Estimating Quotients Using Compatible Numbers, Dividing by One-Digit Numbers, Dividing by One-Digit Numbers with Remainders, Zeros in the Quotient, Dividing by Two-Digit Numbers (Remainders)</p>	<p>Courseware Lessons: (continued) Adding More than Two Decimals, Adding and Subtracting Decimals through Thousandths, Subtracting Decimals (Regrouping); Module – Multiplying Decimals Lessons: Multiplying Money, Multiplying Decimals through Thousandths; Module – Dividing Decimals Lesson: Dividing Decimals through Hundredths; Module – Mixed Numbers Lessons: Adding Mixed Numbers with Unlike Denominators, Adding Mixed Numbers; Module – Subtracting Fractions Lesson: Subtracting Fractions with Unlike Denominators; Module – Multiplying Fractions Lessons: Multiplying Mixed Numbers and Whole Numbers Using Models, Multiplying Mixed Numbers</p>			

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<p>Indicator 3: Analyze ratios, proportions, and percents</p> <p>A. Determine equivalent ratios</p> <p>Assessment limit: Use denominators as factors of 300 but less than 101 and whole numbers (0-100)</p>			<p>Volume Kit: Teacher’s Guide: 50-53 Tutoring Plans: 7 Math at Hand: 035, 184 Practice Sheets: Rates and Unit Costs, Solving Proportions Using Models, Solving Proportions Using Equivalent Ratios, Solving Proportions Using Cross Products</p> <hr/> <p>Courseware Lessons: Module – <i>Ratios, Rates and Proportion</i> Lesson: Rates and Unit Costs, Solving Proportions Using Models, Solving Proportions Using Equivalent Ratios, Solving Proportions Using Cross Products</p>		

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<p>B. Determine and use rates, unit rates, and percents as ratios in the context of a problem</p> <p>Assessment limit: Use whole numbers (0-1000)</p>			<p>Volume Kit: Teacher’s Guide: 16-17, 28-29, 35, 39, 42-43 Tutoring Plans: 2, 3, 4, 12, 13, 14, 15, 16, 17 Math at Hand: 185, 186, 192, 193, 194, 195, 197 Math on Call: 435, 446, 447, 448, 452 Family Activity Letters: All Practice Sheets: Rates and Unit Costs, Solving Proportions Using Equivalent Ratios, Solving Proportions Using Cross Products, Percents, Relating Fractions, Decimals and Percents, Percents Greater than 100%, Finding the Percent of a Number, Finding the Percent of a Number Using Proportions, Percent Equations</p> <hr/> <p>Courseware Lessons: Module – Ratios, Rates and Proportion Lesson: Rates and Unit Costs, Solving Proportions Using Equivalent Ratios, Solving Proportions Using Cross Products;</p>	<p>Volume Kit: Teacher’s Guide: 73, 77, 81 Tutoring Plans: 40, 41, 43, 44 Math at Hand: 286-287, 290-291 Math on Call: 466-467, 469-470 Family Activity Letter: opportunity exists Coin Toss</p>	

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<p>B. Determine and use rates, unit rates, and percents as ratios in the context of a problem (continued)</p>			<p>Courseware Lessons: (continued) Module – Percents Lessons: Percents, Relating Fractions, Decimals and Percents, Percents Greater than 100%, Finding the Percent of a Number, Finding the Percent of a Number Using Proportions, Percent Equations</p>		
<p>C. Determine rate of increase and decrease, discounts, simple interest, commission, sales tax</p>			<p>Volume Kit: Teacher’s Guide: 40-43 Tutoring Plans: 16 Math on Call: 446, 447, 448 Family Activity Letter: opportunity exists That’s “Interest”ing Practice Sheet: Finding the Percent of a Number, Finding the Percent of a Number Using Proportions</p> <hr/> <p>Courseware Lessons: Module – Percents Lessons: Finding the Percent of a Number, Finding the Percent of a Number Using Proportions</p>		

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<p>D. Determine percent of a number</p>			<p>Volume Kit: Teacher’s Guide: 32-35, 36-39, 40-43 Tutoring Plans: 12 Math at Hand: 193, 197 Family Activity Letters: Nutrition Analysis, That’s “Interest”ing Practice Sheet: Finding the Percent of a Number, Finding the Percent of a Number Using Proportions</p> <hr/> <p>Courseware Lessons: Module – Percents Lessons: Finding the Percent of a Number, Finding the Percent of a Number Using Proportions</p>		

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<p>Standard 7.0 Processes of Mathematics Students demonstrate the processes of mathematics by making connections and applying reasoning to solve problems and to communicate their findings.</p> <p>Topic A: Problem Solving</p> <p>Indicator 1: Apply a variety of concepts, processes, and skills to solve problems</p> <p>A. Identify the question in the problem</p>	<p>Volume Kit: Teacher’s Guide: Apply the Concept section of each lesson Tutoring Plans: 11, 13, 14, 15, 16 Math to Know: 146-153 Family Activity Letter: Newspaper Numbers Fact Fluency: 20, 77, 150</p>	<p>Volume Kit: Teacher’s Guide: Apply the Concept section of each lesson Tutoring Plans: 2, 3, 4, 10 Math at Hand: 023, 024, 025, 026 Family Activity Letters: Wrap ‘n Roll, Cost Comparisons, No-Bake Oatmeal Cookies, Sugar and Spice Cookies, Banana Nut Bread, That’s Amazing!</p>	<p>Volume Kit: Teacher’s Guide: Apply the Concept section of each lesson Tutoring Plans: 2, 3, 4, 12, 13, 14, 15, 16, 17 Math at Hand: 185, 186, 192, 193,194, 195, 197 Math on Call: 435, 446, 447, 448, 452 Family Activity Letters: All</p>	<p>Volume Kit: Teacher’s Guide: Apply the Concept in each lesson plan Tutoring Plans: 2, 3, 6, 12, 13, 14, 15, 16, 22, 23, 25, 27, 28, 29, 31, 33, 35, 39, 40, 42, 43 Family Activity Letters: Hot or Cold?, Time and Temperature, Coin Toss</p>	<p>Volume Kit: Teacher’s Guide: Apply the Skill/Concept in each lesson plan Tutoring Plans: in most Access sections of each plan Family Activity Letters: It’s Anybody’s Guess, Can You Draw It?, Getting Into Shape(s), Making Cents of Volume</p>
<p>C. Make a plan to solve a problem</p>	<p>Volume Kit: Teacher’s Guide: Apply the Concept in each lesson plan Tutoring Plans: throughout text Family Activity Letters: All Practice Sheets: Adding Three-Digit Numbers, Subtracting Three-Digit Numbers</p> <hr/> <p>Courseware Lessons: Module – Whole-Number Addition Lesson: Adding Three-Digit Numbers; Module - Whole-Number Subtraction Lesson: Subtracting Three-Digit Numbers</p>	<p>Volume Kit: Teacher’s Guide: Apply the Concept and 161, 165 Tutoring Plans: throughout text Family Activity Letters: All</p>	<p>Volume Kit: Teacher’s Guide: Apply the Concept in each lesson plan Tutoring Plans: throughout text Family Activity Letters: All</p>	<p>Volume Kit: Teacher’s Guide: Apply the Concept in each lesson plan Tutoring Plans: throughout text Family Activity Letters: All</p>	<p>Volume Kit: Teacher’s Guide: Apply the Concept/Skill in each lesson plan Tutoring Plans: throughout text Family Activity Letters: All</p>

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<p>D. Apply a strategy, i.e., draw a picture, guess and check, finding a pattern, writing an equation</p>	<p>Volume Kit: Teacher’s Guide: throughout text Tutoring Plans: throughout text Family Activity Letters: All Practice Sheets: Properties of Addition, Subtracting One-Digit Numbers, Subtracting Two-Digit Numbers, Multiplying by 7 and 8, Multiplying by 9 and 10</p> <hr/> <p>Courseware Lessons: Module – Whole-Number Addition Lesson: Properties of Addition; Module – Whole-Number Subtraction Lessons: Subtracting One-Digit Numbers, Subtracting Two-Digit Numbers; Module – Whole-Number Multiplication Lesson: Multiplying by 7 and 8, Multiplying by 9 and 10</p>	<p>Volume Kit: Teacher’s Guide: throughout text Tutoring Plans: throughout text Family Activity Letters: All</p>	<p>Volume Kit: Teacher’s Guide: throughout text Tutoring Plans: throughout text Family Activity Letters: All</p>	<p>Volume Kit: Teacher’s Guide: throughout text Tutoring Plans: throughout text Family Activity Letters: All Practice Sheet: Sample Space</p> <hr/> <p>Courseware Lessons: Module – Probability Lesson: Sample Space</p>	<p>Volume Kit: Teacher’s Guide: throughout text Tutoring Plans: throughout text Family Activity Letters: All</p>
<p>E. Select a strategy, i.e., draw a picture, guess and check, finding a pattern, writing an equation</p>	<p>Volume Kit: Teacher’s Guide: throughout text Tutoring Plans: throughout text Family Activity Letters: All</p>	<p>Volume Kit: Teacher’s Guide: throughout text Tutoring Plans: throughout text Family Activity Letters: All</p>	<p>Volume Kit: Teacher’s Guide: throughout text Tutoring Plans: throughout text Family Activity Letters: All</p>	<p>Volume Kit: Teacher’s Guide: throughout text Tutoring Plans: throughout text Family Activity Letters: All</p>	<p>Volume Kit: Teacher’s Guide: throughout text Tutoring Plans: throughout text Family Activity Letters: All</p>

Maryland Mathematics Voluntary State Curriculum	Volume I Place Value and Basic Number Skills	Volume II Decimals, Fractions, and other Rational Numbers	Volume III Ratio, Rates, and Percents	Volume IV Expressions and Equations	Volume V Measurement and Geometry
F. Identify alternative ways to solve a problem	<p>Volume Kit: Tutoring Plans: 12, 20, 29, 30, 31, 34, 41 Math to Know: 94, 102-116, 138-139, 172-178, 243, 244-245 Practice Sheets: Subtracting One-Digit Numbers, Subtracting Two-Digit Numbers, Subtracting Three-Digit Numbers, Subtracting One- and Two-Digit Numbers (Regrouping), Subtracting Two Numbers with Mental Math, Multiplying by 5 and 6, Multiplying by 7 and 8, Multiplying by 9 and 10, Dividing by 3 and 4, Dividing by 5 and 6, Dividing by 7 and 8, Dividing by 9 and 10</p> <hr/> <p>Courseware Lessons: Module – Whole-Number Subtraction Lessons: Subtracting One-Digit Numbers, Subtracting Two-Digit Numbers, Subtracting Three-Digit Numbers, Subtracting One- and Two-Digit Numbers (Regrouping), Subtracting Two Numbers with Mental Math;</p>	<p>Volume Kit: Teacher’s Guide: 33, 45, 49, 115, 117, 141 Tutoring Plans: 2, 3, 4, opportunity exists 18 Math at Hand: 023, 024, 026, 142 Family Activity Letters: Wrap ‘n Roll, How Can I Get There? Practice Sheet: Counting Money</p> <hr/> <p>Courseware Lessons: Module – Decimals Lesson: Counting Money</p>		<p>Volume Kit: Teacher’s Guide: 91 Tutoring Plans: opportunity exists 5 Math at Hand: 056</p>	<p>Volume Kit: Teacher’s Guide: 103, 111 Tutoring Plans: opportunity exists 19 Math at Hand: 485-487 Family Activity Letter: Can You Draw It? Practice Sheet: Area</p> <hr/> <p>Courseware Lessons: Module – Basic Geometry Lesson: Area</p>

Maryland Mathematics Voluntary State Curriculum	Volume I Place Value and Basic Number Skills	Volume II Decimals, Fractions, and other Rational Numbers	Volume III Ratio, Rates, and Percents	Volume IV Expressions and Equations	Volume V Measurement and Geometry
F. Identify alternative ways to solve a problem (continued)	<p>Courseware Lessons: (continued) Module – Whole-Number Multiplication Lessons: Multiplying by 5 and 6, Multiplying by 7 and 8, Multiplying by 9 and 10; Module – Whole-Number Division Lessons: Dividing by 3 and 4, Dividing by 5 and 6, Dividing by 7 and 8, Dividing by 9 and 10</p>				
G. Show that a problem might have multiple solutions or no solution	<p>Volume Kit: Teacher’s Guide: 43, 77, 173</p>	<p>Volume Kit: Teacher’s Guide: 17, 63, 83, 149</p>			<p>Volume Kit: Teacher’s Guide: 37, 41</p>
H. Extend the solution of a problem to a new problem situation	<p>Volume Kit: Teacher’s Guide: Each Apply the Concept extends the concept to a new situation Tutoring Plans: 11, 13, 14, 15, 16 Math to Know: 146-153 Family Activity Letters: All</p>	<p>Volume Kit: Teacher’s Guide: Each Apply the Concept extends the concept to a new situation Tutoring Plans: 2, 3, 4, 10 Math at Hand: 023-026, 125 Family Activity Letters: All</p>	<p>Volume Kit: Teacher’s Guide: Each Apply the Concept extends the concept to a new situation Tutoring Plans: 2, 3, 4, 12, 13, 14, 15, 16, 17 Math at Hand: 185, 186, 192-195, 197 Math on Call: 435, 446-448, 452 Family Activity Letters: All</p>	<p>Volume Kit: Teacher’s Guide: Each Apply the Concept extends the concept to a new situation Tutoring Plans: 2, 3, 6, 12, 13, 14, 15, 16, 22, 23, 25, 27, 28, 29, 31, 33, 35, 39, 40, 42, 43 Math at Hand: 212-214, 241-243, 253, 272-273, 276-278, 281-284, 286-287, 290-291 Math on Call: 202, 234, 239-242, 247, 254, 295, 469 Family Activity Letters: All</p>	<p>Volume Kit: Teacher’s Guide: Each Apply the Concept/Skill extends the concept to a new situation Tutoring Plans: 1-7, 9-16, 18-19, 38, 42, 45, 46 Math at Hand: 294, 313-321, 322, 324, 326-327, 369, 485-487 Math on Call: 408, 411-413, 418 Family Activity Letters: All</p>

<p align="center">Maryland Mathematics Voluntary State Curriculum</p>	<p align="center">Volume I Place Value and Basic Number Skills</p>	<p align="center">Volume II Decimals, Fractions, and other Rational Numbers</p>	<p align="center">Volume III Ratio, Rates, and Percents</p>	<p align="center">Volume IV Expressions and Equations</p>	<p align="center">Volume V Measurement and Geometry</p>
<p>Topic B: Reasoning</p> <p>Indicator 1: Justify ideas or solutions with mathematical concepts or proofs</p> <p>A. Use inductive or deductive reasoning</p>	<p>Volume Kit: Practice Sheets: Rounding Whole Numbers, Properties of Addition, Multiplying by 9 and 10</p> <hr/> <p>Courseware Lessons: Module – <i>Place Value Lesson:</i> Rounding Whole Numbers; Module – <i>Whole-Number Addition Lesson:</i> Properties of Addition; Module – <i>Whole-Number Multiplication Lesson:</i> Multiplying by 9 and 10</p>	<p>Students use inductive and deductive reasoning throughout each Volume Kit. Teachers can find opportunities to further explore this topic with students.</p>			
<p>C. Support or refute mathematical statements or solutions</p>	<p>Volume Kit: Teacher’s Guide: 56-58, 60-63, 64-67, 94-97, 98-101, 136-139, 170-173 Practice Sheets: Subtracting Three-Digit Numbers, The Commutative Property</p> <hr/> <p>Courseware Lessons: Module – <i>Whole-Number Subtraction Lesson:</i> Subtracting Three-Digit Numbers; Module – <i>Whole-Number Multiplication Lesson:</i> The Commutative Property</p>	<p>Volume Kit: Teacher’s Guide: opportunity exists in each Apply the Concept as student solve a problem and discuss their methods and/or solutions</p>	<p>Volume Kit: Teacher’s Guide: opportunity exists in each Apply the Concept as student solve a problem and discuss their methods and/or solutions</p>	<p>Volume Kit: Teacher’s Guide: opportunity exists in each Apply the Concept as student solve a problem and discuss their methods and/or solutions</p>	<p>Volume Kit: Teacher’s Guide: opportunity exists in each Apply the Concept as student solve a problem and discuss their methods and/or solutions</p>

Maryland Mathematics Voluntary State Curriculum	Volume I Place Value and Basic Number Skills	Volume II Decimals, Fractions, and other Rational Numbers	Volume III Ratio, Rates, and Percents	Volume IV Expressions and Equations	Volume V Measurement and Geometry
<p>Topic C: Communication</p> <p>Indicator 1: Present mathematical ideas using words, symbols, visual displays, or technology</p> <p>A. Use multiple representations to express concepts or solutions</p>	<p>Volume Kit: Teacher’s Guide: 5, 10-13, 16, 21, 24-25, 38-39, 46-47, 62, 96, 103, 110-111, 122, 130, 145, 151-153, 205 Tutoring Plans: Most of the plans provide multiple representations to express the concepts or solutions, including using models, counters, charts, diagrams, or manipulatives. Practice Sheets: Counting Skills, Whole Numbers: Ones, Tens, Hundreds, Thousands, Whole Numbers through Millions, Adding One-Digit Numbers, Adding Two-Digit Numbers (Regrouping), Adding Three-Digit Numbers, Subtracting Two-Digit Numbers, Subtracting One- and Two-Digit Numbers (Regrouping), Multiplying by 0, 1,2, 3 and 4, Dividing by 1 and 2, Dividing by 5 and 6</p>	<p>Volume Kit: Teacher’s Guide: 5, 11-13, 15-16, 20, 23-24, 28, 55, 58-59, 61-62, 66, 70, 73, 78-79, 85, 89, 94-95, 99, 102, 110, 113-115, 117-119, 121-123, 131, 135-136, 139, 140, 144, 148, 154, 155, 156, 160, 164 Tutoring Plans: Most of the plans provide multiple representations to express the concepts or solutions, including using models, counters, charts, diagrams, or manipulatives. Practice Sheet: Fractions and Fraction Models</p> <hr/> <p>Courseware Lessons: Module - <i>Understanding and Adding Fractions</i> Lesson: Fractions and Fraction Models</p>	<p>Volume Kit: Teacher’s Guide: 26-27, 33, 34-35, 44-47, 52 Tutoring Plans: Most of the plans provide multiple representations to express the concepts or solutions, including using models, counters, charts, diagrams, or manipulatives.</p>	<p>Volume Kit: Teacher’s Guide: 20, 24, 28, 39, 49, 50, 54, 60, 63, 68-69, 72, 76, 78-81, 89 Tutoring Plans: Most of the plans provide multiple representations to express the concepts or solutions, including using models, counters, charts, diagrams, graphs or manipulatives.</p>	<p>Volume Kit: Teacher’s Guide: 36, 39, 43, 44, 91, 97, 101 Tutoring Plans: Most of the plans provide multiple representations to express the concepts or solutions, including manipulatives, cardstock supplements, and diagrams or pictures. Practice Sheet: Area</p> <hr/> <p>Courseware Lessons: Module - <i>Basic Geometry</i> Lesson: Area</p>

<p align="center">Maryland Mathematics Voluntary State Curriculum</p>	<p align="center">Volume I Place Value and Basic Number Skills</p>	<p align="center">Volume II Decimals, Fractions, and other Rational Numbers</p>	<p align="center">Volume III Ratio, Rates, and Percents</p>	<p align="center">Volume IV Expressions and Equations</p>	<p align="center">Volume V Measurement and Geometry</p>
<p>A. Use multiple representations to express concepts or solutions (continued)</p>	<p>Courseware Lessons: Module – Place Value Lessons: Counting Skills, Whole Numbers: Ones, Tens, Hundreds, Thousands, Whole Numbers Through Millions; Module - Whole-Number Addition Lessons: Adding One-Digit Numbers, Adding Two-Digit Numbers (Regrouping), Adding Three-Digit Numbers; Module - Whole-Number Multiplication Lesson: Multiplying by 0, 1, 2, 3 and 4; Module – Whole-Number Division Lessons: Dividing by 1 and 2, Dividing by 5 and 6</p>				
<p>B. Express mathematical ideas orally</p>	<p>Volume Kit: Teacher’s Guide: throughout text, especially Apply the Concept’s discussion section Tutoring Plans: opportunities exist throughout text Family Activity Letters: All</p>	<p>Volume Kit: Teacher’s Guide: throughout text, especially Apply the Concept’s discussion section Tutoring Plans: opportunities exist throughout text Family Activity Letters: All</p>	<p>Volume Kit: Teacher’s Guide: throughout text, especially Apply the Concept’s discussion section Tutoring Plans: opportunities exist throughout text Family Activity Letters: All</p>	<p>Volume Kit: Teacher’s Guide: throughout text, especially Apply the Concept’s discussion section Tutoring Plans: opportunities exist throughout text Family Activity Letters: All</p>	<p>Volume Kit: Teacher’s Guide: throughout text, especially Apply the Concept’s discussion section Tutoring Plans: opportunities exist throughout text Family Activity Letters: All</p>

Maryland Mathematics Voluntary State Curriculum	Volume I Place Value and Basic Number Skills	Volume II Decimals, Fractions, and other Rational Numbers	Volume III Ratio, Rates, and Percents	Volume IV Expressions and Equations	Volume V Measurement and Geometry
C. Explain mathematically ideas in written form	<p>Volume Kit: Teacher’s Guide: throughout text, especially in each lesson’s Journal Prompt Tutoring Plans: throughout text Practice Sheets: Practice Sheets with the same titles of the Lessons listed in Courseware Lessons</p> <hr/> <p>Courseware Lessons: Module – Place Value Lessons: Counting Skills, Whole Numbers: Ones, Tens, Hundreds, Thousands, Whole Numbers Through Millions, Comparing and Ordering Whole Numbers, Rounding Whole Numbers; Module – Whole-Number Addition Lessons: Adding One-Digit Numbers, Adding Two-Digit Numbers, Properties of Addition, Adding Two-Digit Numbers (Regrouping), Adding Two-Digit Numbers with Mental Math, Adding Three-Digit numbers, Adding More than Two Numbers, Adding Three Numbers (Regrouping);</p>	<p>Volume Kit: Teacher’s Guide: throughout text, especially in each lesson’s Journal Prompt Tutoring Plans: throughout text Practice Sheets: Practice Sheets with the same titles of the Lessons listed in Courseware Lessons</p> <hr/> <p>Courseware Lessons: Module – Decimals Lessons: Counting Money, Introduction to Money; Module – Adding and Subtracting Decimals Lesson: Adding and Subtracting Money; Module – Understanding and Adding Fractions Lessons: Fractions and Fraction Models, Fractions on a Number Line</p>	<p>Volume Kit: Teacher’s Guide: throughout text, especially in each lesson’s Journal Prompt Tutoring Plans: throughout text Practice Sheets: Practice Sheets with the same titles of the Lessons listed in Courseware Lessons</p>	<p>Volume Kit: Teacher’s Guide: throughout text, especially in each lesson’s Journal Prompt Tutoring Plans: throughout text Practice Sheets: Practice Sheets with the same titles of the Lessons listed in Courseware Lessons</p> <hr/> <p>Courseware Lessons: Module – Algebra: Patterns Lesson: Sorting and Non-Numeric Patterns; Module – Data and Graphs Lessons: Collecting and Organizing Data, Bar Graphs and Line Plots, Pictographs; Module – Probability Lessons: Probability, Probability of Simple Events, Probability of Complementary Events, Sample Spaces</p>	<p>Volume Kit: Teacher’s Guide: throughout text, especially in each lesson’s Journal Prompt Tutoring Plans: throughout text Practice Sheets: Practice Sheets with the same titles of the Lessons listed in Courseware Lessons</p> <hr/> <p>Courseware Lessons: Module – Units of Measure Lessons: Telling Time to the Minute, Understanding A.M. and P.M, Calendars, Measuring Length: Customary Units, Measuring Length: Metric Units, Measuring Capacity: Customary Units, Measuring Capacity: Metric Units, Measuring Weight: Customary Units, Measuring Mass, Measuring Temperature: Customary, Measuring Temperature: Metric;</p>

Maryland Mathematics Voluntary State Curriculum	Volume I Place Value and Basic Number Skills	Volume II Decimals, Fractions, and other Rational Numbers	Volume III Ratio, Rates, and Percents	Volume IV Expressions and Equations	Volume V Measurement and Geometry
C. Explain mathematically ideas in written form (continued)	<p>Courseware Lessons: (continued) Module – Whole-Number Subtraction Lessons: Subtracting One-Digit Numbers, Subtracting Two-Digit Numbers, Subtracting One- and Two-Digit Numbers (Regrouping), Subtracting Three-Digit Numbers, Subtracting Across Zeros; Module – Whole-Number Multiplication Lessons: Multiplying by 0, 1, 2, 3 and 4, Multiplying by 5 and 6, Multiplying by 7 and 8, Multiplying by 9 and 10, The Commutative Property; Module – Whole-Number Division Lessons: Dividing by 1 and 2, Dividing by 3 and 4, Dividing by 5 and 6, Dividing by 7 and 8, Dividing by 9 and 10</p>				<p>Courseware Lessons: (continued) Module – Basic Geometry Lessons: Points, Lines, Segments and Rays, Classifying Plane Figures, Perimeter, Area, Classifying Quadrilaterals; Module – Advanced Geometry Lessons: Symmetry, Slides, Flips and Turns, Congruency, Classifying Solids</p>

Maryland Mathematics Voluntary State Curriculum	<u>Volume I</u> Place Value and Basic Number Skills	<u>Volume II</u> Decimals, Fractions, and other Rational Numbers	<u>Volume III</u> Ratio, Rates, and Percents	<u>Volume IV</u> Expressions and Equations	<u>Volume V</u> Measurement and Geometry
D. Express solutions using concrete materials	<p>Volume Kit: Teacher’s Guide: 5, 88, 130, 176-191 Tutoring Plans: Most of the tutoring plans provide students with use of manipulatives to explore and/or express solutions and concepts.</p>	<p>Volume Kit: Teacher’s Guide: 10-13, 18-21, 56-59, 60-63, 84-87, 88-91, 92-95, 100-103 Tutoring Plans: 3, 4, 10, 25, 30, 34-39, 41-43, 47-55, 59-61, 63-64, 72, 79-82 Math at Hand: 025-026, 028-030, 033-038, 041, 125, 154, 158-161, 163, 165-166, 168-170, 176, 201-204, 206-209, 227 Family Activity Letters: No-Bake Oatmeal Cookies, Sugar and Spice Cookies, Banana Nut Bread</p>	<p>Volume Kit: Tutoring Plans: 1, 6</p>		

<p align="center">Maryland Mathematics Voluntary State Curriculum</p>	<p align="center">Volume I Place Value and Basic Number Skills</p>	<p align="center">Volume II Decimals, Fractions, and other Rational Numbers</p>	<p align="center">Volume III Ratio, Rates, and Percents</p>	<p align="center">Volume IV Expressions and Equations</p>	<p align="center">Volume V Measurement and Geometry</p>
	<p>E. Express solutions using pictorial, tabular, graphical, or algebraic methods</p>	<p>Volume Kit: Teacher’s Guide: throughout text Tutoring Plans: throughout text Family Activity Letters: all</p>	<p>Volume Kit: Teacher’s Guide: throughout text Tutoring Plans: throughout text Family Activity Letters: all</p>	<p>Volume Kit: Teacher’s Guide: throughout text Tutoring Plans: throughout text Family Activity Letters: all</p>	<p>Volume Kit: Teacher’s Guide: throughout text Tutoring Plans: throughout text Family Activity Letters: all Practice Sheets: Collecting and Organizing Data, Bar Graphs and Line Plots, Pictographs</p> <hr/> <p>Courseware Lessons: Module – Data and Graphs Lesson: Collecting and Organizing Data, Bar Graphs and Line Plots, Pictographs</p>

Maryland Mathematics Voluntary State Curriculum	Volume I Place Value and Basic Number Skills	Volume II Decimals, Fractions, and other Rational Numbers	Volume III Ratio, Rates, and Percents	Volume IV Expressions and Equations	Volume V Measurement and Geometry
F. Explain solutions in written form	<p>Volume Kit: Teacher’s Guide: in most Journal Prompts Practice Sheets: Practice Sheets with the same titles of the Lessons listed in Courseware</p> <hr/> <p>Courseware Lessons: Module – Whole-Number Addition Lessons: Adding One-Digit Numbers, Adding Two-Digit Numbers, Properties of Addition, Adding Two-Digit Numbers (Regrouping), Adding Two-Digit Numbers with Mental Math, Adding Three-Digit Numbers, Adding More than Two Numbers, Adding Three Numbers (Regrouping); Module – Whole-Number Subtraction Lessons: Subtracting One-Digit Numbers, Subtraction, Two-Digit Numbers, Subtracting One- and Two-Digit Numbers (Regrouping), Subtracting Three-Digit Numbers, Subtracting Across Zeros;</p>	<p>Volume Kit: Teacher’s Guide: in most Journal Prompts Practice Sheets: Practice Sheets with the same titles of the Lessons listed in Courseware</p> <hr/> <p>Courseware Lessons: Module – Decimals Lesson: Counting Money, Introduction to Money; Module – Adding and Subtracting Decimals Lesson: Adding and Subtracting Money; Module – Understanding and Adding Fractions Lessons: Fractions and Fraction Models, Fractions on a Number Line</p>	<p>Volume Kit: Teacher’s Guide: in most Journal Prompts Practice Sheets: Practice Sheets with the same titles of the Lessons listed in Courseware</p>	<p>Volume Kit: Teacher’s Guide: in most Journal Prompts Practice Sheets: Practice Sheets with the same titles of the Lessons listed in Courseware</p> <hr/> <p>Courseware Lessons: Module – Algebra: Patterns Lessons: Sorting and Non-Numeric Patterns; Module – Data and Graphs Lessons: Collecting and Organizing Data, Bar Graphs and Line Plots, Pictographs; Module – Probability Lessons: Probability, Probability of Simple Events, Probability of Complementary Events, Sample Spaces</p>	<p>Volume Kit: Teacher’s Guide: in most Journal Prompts Practice Sheets: Practice Sheets with the same titles of the Lessons listed in Courseware</p> <hr/> <p>Courseware Lessons: Module – Units of Measure Lessons: Telling Time to the Minute, Understanding A.M. and P.M, Calendars, Measuring Length: Customary Units, Measuring Length: Metric Units, Measuring Capacity: Customary Units, Measuring Capacity: Metric Units, Measuring Weight: Customary Units, Measuring Mass, Measuring Temperature: Customary, Measuring Temperature: Metric; Module – Basic Geometry Lessons: Points, Lines, Segments and Rays, Classifying Plane Figures, Perimeter, Area, Classifying Quadrilaterals;</p>

Maryland Mathematics Voluntary State Curriculum	<u>Volume I</u> Place Value and Basic Number Skills	<u>Volume II</u> Decimals, Fractions, and other Rational Numbers	<u>Volume III</u> Ratio, Rates, and Percents	<u>Volume IV</u> Expressions and Equations	<u>Volume V</u> Measurement and Geometry
F. Explain solutions in written form (continued)	<p>Courseware Lessons: (continued) Module – Whole-Number Multiplication Lessons: Multiplying by 0, 1, 2, 3 and 4, Multiplying by 5 and 6, Multiplying by 7 and 8, Multiplying by 9 and 10, The Commutative Property; Module – Whole-Number Division Lessons: Dividing by 1 and 2, Dividing by 3 and 4, Dividing by 5 and 6 Dividing by 7 and 8, Dividing by 9 and 10</p>				<p>Courseware Lessons: (continued) Module – Advanced Geometry Lessons: Symmetry, Slides, Flips and Turns Congruency, Classifying Solids</p>
G. Ask questions about mathematical ideas or problems	Opportunity exists throughout Volume Kits.				
H. Give or use feedback to revise mathematical thinking	<p>Volume Kit: Practice Sheets: Subtracting Three-Digit Numbers, The Commutative Property</p> <hr/> <p>Courseware Lessons: Module – Whole-Number Subtraction Lesson: Subtracting Three-Digit Numbers; Module – Whole-Number Multiplication Lesson: The Commutative Property</p>	Opportunity exists throughout Volume Kits.			

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<p>Topic D: Connections</p> <p>Indicator 1: Relate or apply mathematics within the discipline, to other disciplines, and to life</p> <p>A. Identify mathematical concepts in relationship to other mathematical concepts</p>	<p>Volume Kit: Teacher’s Guide: 71, 79-81, 141, 146-149 Tutoring Plans: 36, 37, 38 Math to Know: 74-85 Fact Fluency: 57, 62, 63, 129, 144; opportunity also exists 64, 65 Practice Sheets: Subtracting One-Digit Numbers, Subtracting Two-Digit Numbers, Subtracting Three-Digit Numbers, Multiplying by 5 and 6, Multiplying by 7 and 8, Dividing by 3 and 4, Dividing by 5 and 6, Dividing by 7 and 8</p> <hr/> <p>Courseware Lessons: Module – Whole-Number Subtraction Lessons: Subtracting One-Digit Numbers, Subtracting Two-Digit Numbers, Subtracting Three-Digit Numbers; Module – Whole-Number Multiplication Lessons: Multiplying by 5 and 6, Multiplying by 7 and 8; Module – Whole-Number Division Lessons: Dividing by 3 and 4, Dividing by 5 and 6, Dividing by 7 and 8</p>	<p>Volume Kit: Teacher’s Guide: 13, 25, 71, 76-79, 83, 91, 111, 115, 119, 137, 149, 153</p>	<p>Volume Kit: Teacher’s Guide: 32-35, 36-39, 40-43, 44-47, 60-61 Tutoring Plans: 10, 17 Math at Hand: 020, 044, 189, 190 Math on Call: 452</p>	<p>Volume Kit: Teacher’s Guide: 18-21, 22-25, 26-29, 78-81, 88-91, 92-95, 96-99, 114-115, 116-117 Tutoring Plans: 8, 9, 10, 21, 35, 37 Math at Hand: 216-226 Math on Call: 234, 247, 251-252</p>	<p>Volume Kit: Teacher’s Guide: 42-45, 88-91 Tutoring Plans: 19, 41, 42 Math at Hand: 306-307, 485-487 Math on Call: 411-412</p>

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Maryland Mathematics Voluntary State Curriculum	Volume I Place Value and Basic Number Skills	Volume II Decimals, Fractions, and other Rational Numbers	Volume III Ratio, Rates, and Percents	Volume IV Expressions and Equations	Volume V Measurement and Geometry
B. Identify mathematical concepts in relationship to other disciplines					Volume Kit: Teacher's Guide: 22-25
C. Identify mathematical concepts in relationship to life	<p>Volume Kit: Teacher's Guide: Apply the Concept section of each lesson Tutoring Plans: 11, 13, 14, 15, 16 Math to Know: 148-150, 153, 146-152 Family Activity Letter: Newspaper Numbers Fact Fluency: 20, 77, 150 Practice Sheets: Rounding Numbers, Adding More than Two Numbers, Subtracting Three-Digit Numbers, Multiplying by 7 and 8, Dividing by 7 and 8</p> <hr/> <p>Courseware Lessons: Module – Place Value Lesson: Rounding Numbers; Module - Whole-Number Addition Lesson: Adding More than Two Numbers; Module- Whole-Number Subtraction Lesson: Subtracting Three-Digit Numbers;</p>	<p>Volume Kit: Teacher's Guide: Apply the Concept section of each lesson Tutoring Plans: 2, 3, 4, 10 Math at Hand: 023, 024, 025, 026 Family Activity Letters: Wrap 'n Roll, Cost Comparisons, No-Bake Oatmeal Cookies, Sugar and Spice Cookies, Banana Nut Bread, That's Amazing! Practice Sheet: Fractions and Fraction Models</p> <hr/> <p>Courseware Lessons: Module - Understanding and Adding Fractions Lesson: Fractions and Fraction Models</p>	<p>Volume Kit: Teacher's Guide: Apply the Concept section of each lesson Tutoring Plans: 2, 3, 4, 12, 13, 14, 15, 16, 17 Math at Hand: 185, 186, 192, 193,194, 195, 197 Math on Call: 435, 446, 447, 448, 452 Family Activity Letters: All</p>	<p>Volume Kit: Teacher's Guide: 11, 21, 25, 29, 33, 51, 55, 61, 63-65, 68-69, 73, 81, 91, 95, 99 Tutoring Plans: 2, 3, 6, 12, 13, 14, 15, 16, 22, 23, 25, 27, 28, 29, 31, 33, 35, 39, 40, 42, 43 Math at Hand: 212-214, 241-243, 272-273, 276-278, 281-284, 286-287, 290-291 Math on Call: 202, 234, 239-240, 247, 253-254, 295, 469 Family Activity Letters: Hot or Cold?, Time and Temperature, Coin Toss Practice Sheets: Probability of Complementary Events</p> <hr/> <p>Courseware Lessons: Module - Probability Lesson: Probability of Complementary Events</p>	<p>Volume Kit: Teacher's Guide: 11, 17, 21, 29, 33, 37, 41, 45, 49, 53, 57, 65, 73, 77, 87, 103, 107, 111, 114-115 Tutoring Plans: 1-7, 9-16, 18-19, 38, 42, 45, 46 Math at Hand: 294, 313-321, 322, 324, 326-327, 369, 485-487 Math on Call: 408, 411-413, 418 Family Activity Letters: It's Anybody's Guess, Getting Into Shape(s), Making Cents of Volume Practice Sheet: Classifying Solids</p> <hr/> <p>Courseware Lessons: Module - Advanced Geometry Lesson: Classifying Solids</p>

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Maryland Mathematics Voluntary State Curriculum	<u>Volume I</u> Place Value and Basic Number Skills	<u>Volume II</u> Decimals, Fractions, and other Rational Numbers	<u>Volume III</u> Ratio, Rates, and Percents	<u>Volume IV</u> Expressions and Equations	<u>Volume V</u> Measurement and Geometry
C. Identify mathematical concepts in relationship to life	<p>Courseware Lessons: (continued) Module - Whole-Number Multiplication Lesson: Multiplying by 7 and 8; Module - Whole-Number Division Lesson: Dividing by 7 and 8</p>				
D. Use the relationship among mathematical concepts to learn other mathematical concepts	<p>Volume Kit: Teacher's Guide: 71, 79-81, 141, 146-149 Tutoring Plans: 36, 37, 38 Math to Know: 74-85 Fact Fluency: 57, 62, 63, 129, 144; opportunity also exists 64, 65 Practice Sheets: Subtracting One-Digit Numbers, Subtracting Two-Digit Numbers, Subtracting Three-Digit Numbers, Multiplying by 5 and 6, Multiplying by 7 and 8, Dividing by 3 and 4, Dividing by 5 and 6, Dividing by 7 and 8</p>	<p>Volume Kit: Teacher's Guide: 13, 25, 31, 32, 43, 71, 76-79, 83, 91, 111, 115, 119, 137, 147, 149, 153, 163</p>	<p>Volume Kit: Teacher's Guide: 32-35, 36-39, 40-43, 44-47, 60-61 Tutoring Plans: 10, 17 Math at Hand: 020, 044, 189, 190 Math on Call: 452</p>	<p>Volume Kit: Teacher's Guide: 18-21, 22-25, 26-29, 78-81, 88-91, 92-95, 96-99, 114-115, 116-117 Tutoring Plans: 8, 9, 10, 21, 35, 37 Math at Hand: 216-226 Math on Call: 234, 247, 251-252</p>	<p>Volume Kit: Teacher's Guide: 42-45, 88-91 Tutoring Plans: 19, 41, 42 Math at Hand: 306-307, 485-487 Math on Call: 411-412 Practice Sheets: Subtracting One-Digit Numbers, Subtracting Two-Digit Numbers, Subtracting Three-Digit Numbers, Multiplying by 5 and 6, Multiplying by 7 and 8, Dividing by 3 and 4, Dividing by 5 and 6, Dividing by 7 and 8</p>

Maryland Mathematics Voluntary State Curriculum	Volume I Place Value and Basic Number Skills	Volume II Decimals, Fractions, and other Rational Numbers	Volume III Ratio, Rates, and Percents	Volume IV Expressions and Equations	Volume V Measurement and Geometry
D. Use the relationship among mathematical concepts to learn other mathematical concepts (continued)	<p>Courseware Lessons: Module – Whole-Number Subtraction Lessons: Subtracting One-Digit Numbers, Subtracting Two-Digit Numbers, Subtracting Three-Digit Numbers; Module – Whole-Number Multiplication Lessons: Multiplying by 5 and 6, Multiplying by 7 and 8; Module – Whole-Number Division Lessons: Dividing by 3 and 4, Dividing by 5 and 6, Dividing by 7 and 8</p>				<p>Courseware Lessons: Module – Whole-Number Subtraction Lessons: Subtracting One-Digit Numbers, Subtracting Two-Digit Numbers, Subtracting Three-Digit Numbers; Module – Whole-Number Multiplication Lessons: Multiplying by 5 and 6, Multiplying by 7 and 8; Module – Whole-Number Division Lessons: Dividing by 3 and 4, Dividing by 5 and 6, Dividing by 7 and 8</p>