



6th Grade Correlation to Mathematics Content Standards

	Mathematics Curriculum Framework	I CAN Learn® Lesson #	I CAN Learn® Lesson Title
NUMBER AND OPERATION			
*6.M.1.1.1	Compare magnitudes and relative magnitudes of positive rational numbers, including whole numbers through billions, fractions, and decimals.	MM1-001	Identifying Place Value to the Billions
		MM1-005	Writing Numbers in Expanded Form
		MM1-015	Comparing (Whole) Numbers
		MM1-110	Comparing and Ordering Fractions with Like Denominators
		MM1-135	Comparing and Ordering Fractions with Like and Unlike Denominators
		MM1-270	Identifying Place Value in Decimal Numbers
		MM1-275	Comparing Decimal Numbers
6.M.1.1.2	Explain the interrelationship of fractions, decimals, and percents.	MM1-358	Converting Fractions and Mixed Numbers with Denominators of Powers of Ten to Decimals
		MM1-360	Expressing Percent as a Ratio
		MM1-365	Converting Decimals to Fractions and Fractions to Decimals
		MM1-370	Converting Decimals to Percents and Percents to Decimals
		MM1-375	Converting Fractions to Percents and Percents to Fractions
		MM1-380	Converting Fractions to Decimals and Percents
*6.M.1.1.3	Locate the position of integers on a number line.	MM1-570	Identifying Integers and Absolute Value
		MM1-575	Comparing and Ordering Integers
*6.M.1.1.4	Convert between decimals and fractions.	MM1-365	Converting Decimals to Fractions and Fractions to Decimals
		MM1-380	Converting Fractions to Decimals and Percents
*6.M.1.1.5	Apply number theory concepts (prime, composite, prime factorization) and identify common factors and common multiples.	MM1-088	Applying the Divisibility Rules for 2, 3, 4, 5, 6, 9 and 10
		MM1-090	Identifying Prime and Composite Numbers
		MM1-095	Expressing a Number as a Product of Prime Numbers
		MM1-105	Identifying the Greatest Common Factor and the Least Common Multiple
6.M.1.1.6	Solve problems using the 4-step process of problem solving (explore, plan, solve, and examine).	MPA-003	Using Four-Step Plan for Problem Solving
		MM1-195	Identifying the Mathematical Question Given in a Word Problem
6.M.1.1.7	Describe the use of integers in real-world situations.	MM1-570	Identifying Integers and Absolute Value
		MPA-043	Reading and Writing Integers
6.M.1.1.8	Use appropriate vocabulary.	Throughout	Standard is demonstrated throughout. For examples, see definitions and vocabulary as listed at the end of each video on the Notebook screen:
6.M.1.2.1	Recall basic multiplication and division facts from 12 x 12 Times Table.	Throughout	
*6.M.1.2.2	Add, subtract, multiply, and divide whole numbers, decimals, and simple fractions (including unlike denominators).	MM1-035	Adding Three or More Whole Numbers and Subtracting with Regrouping
		MM1-050	Identifying Special Patterns in Multiplication
		MM1-055	Multiplying Whole Numbers with Two and Three Digits

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		MM1-065	Solving Division in Three Forms
		MM1-075	Dividing with Remainders and Zeros in the Quotient
		MM1-300	Adding and Subtracting Decimals
		MM1-310	Multiplying Decimals
		MM1-311	Using a One-Digit Divisor, Express the Remainder as a Decimal
		MM1-313	Using a Two-Digit Divisor, Express the Remainder as a Decimal
		MM1-315	Dividing Decimals by Whole Number Divisors
		MM1-325	Dividing with Decimal Divisors
		MM1-330	Dividing with a Decimal Divisor and Dividend
		MM1-335	Using Zeros as Placeholders when Dividing with Decimal Numbers in the Dividend
		MM1-145	Adding and Subtracting Fractions with Like and Unlike Denominators
		MM1-150	Adding Mixed Numbers with Like Denominators
		MM1-155	Subtracting Mixed Numbers with Like Denominators
		MM1-160	Adding and Subtracting Mixed Numbers with Unlike Denominators
		MM1-165	Multiplying Fractions
		MM1-170	Multiplying Fractions by Simplifying the Problem
		MM1-175	Multiplying Mixed Numbers
		MM1-180	Dividing Fractions
		MM1-185	Dividing Mixed Numbers
		MM1-190	Finding the Fraction of a Given Number
*6.M.1.2.3	Evaluate numerical expressions with whole numbers using the order of operations (excluding exponents).	MM1-080	Identifying the Order of Operations Using Multiplication, Addition, and Subtraction
6.M.1.2.4	Select and use an appropriate method of computation from mental math, paper and pencil, calculator or a combination of the three.	Throughout	Standard is demonstrated throughout. For examples, see the following lessons:
		MM1-050	Identifying Special Patterns in Multiplication
		MM1-070	Estimating Quotients
*6.M.1.2.5	Use a variety of strategies to solve real-life problems.	MM1-195	Identifying the Mathematical Question Given in a Word Problem
		MM1-320	Performing Mathematical Operations with Decimal Numbers in Application Problems
		MM1-355	Solving Multiple-Step Problems
		MM1-425	Classifying Information from a Mathematical Story
6.M.1.2.6	Use appropriate vocabulary and notations.	Throughout	Standard is demonstrated throughout. For examples, see definitions and vocabulary as listed at the end of each video on the Notebook screen:
6.M.1.3.1	Estimate to predict computation results.	MM1-030	Estimating Sums and Differences
		MM1-060	Estimating Products
		MM1-070	Estimating Quotients
		MM1-305	Estimating Products by Rounding to the Nearest Whole Number
6.M.1.3.2	Explain when estimation is appropriate.	MPA-006	Determining Reasonableness of Answers and Appropriate Method of Computation
*6.M.1.3.3	Identify whether a given estimate is an overestimate or underestimate.	MM1-030	Estimating Sums and Differences
		MM1-060	Estimating Products
		MM1-070	Estimating Quotients
		MM1-305	Estimating Products by Rounding to the Nearest Whole Number
		MM1-320	Performing Mathematical Operations with Decimal Numbers in Application Problems
		MM1-305	Estimating Products by Rounding to the Nearest Whole Number
		MPA-133	Distinguishing Between Exact and Approximate Answers
6.M.1.3.4	Use a four-function calculator to solve complex grade-level problems.	MM1-017	Identifying Exponential and Standard Form of a Number
		Activity	See Journals and Problem Sets of the Day
6.M.1.3.5	Formulate conjectures and discuss why they must be or seem to be true.	MPA-007	Solving Problems Using Logical Reasoning Skills
6.M.1.3.6	Use appropriate vocabulary.	Throughout	Standard is demonstrated throughout. For examples, see definitions and vocabulary as listed at the end of each video on the Notebook screen.

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CONCEPTS AND PRINCIPALS OF MEASUREMENT			
*6.M.2.1.1	Select and use appropriate units and tools to make formal measurements in both systems.	MPA-130	Developing a Sense of Relative Sizes of Measures
		MPA-133	Distinguishing Between Exact and Approximate Answers
		MM1-535	Converting Customary Units of Measurement for Length
		MM1-540	Converting Customary Units of Measurement for Capacity and Weight
		MM1-545	Converting Metric Units of Measurement for Length
		MM1-550	Converting Metric Units of Measurement for Mass and Capacity
6.M.2.1.2	Apply estimation of measurement to real-world and content problems using standard measuring devices.	MPA-130	Developing a Sense of Relative Sizes of Measures
		MPA-133	Distinguishing Between Exact and Approximate Answers
*6.M.2.1.3	Apply understanding of relationships to solve real-world problems related to elapsed time.	MM1-555	Determining Elapsed Time from A.M. to P.M. and P.M. to A.M.
		MM1-560	Identifying Time Zones and Determining Elapsed Time Between Zones
*6.M.2.1.4	Given the formulas, find the perimeter or circumference and area of triangles, circles and parallelograms (all kinds).	MM1-505	Determining the Perimeter of Any Polygon
		MM1-510	Determining the Area of Parallelograms and Triangles
		MM1-515	Defining a Circle
		MPA-070	Finding the Circumference of a Circle
		MPA-071	Finding the Area of a Circle
*6.M.2.1.5	Convert units of measurement within each system in one-step problems (e.g., quarts to gallons and gallons to quarts).	MM1-535	Converting Customary Units of Measurement for Length
		MM1-540	Converting Customary Units of Measurement for Capacity and Weight
		MM1-545	Converting Metric Units of Measurement for Length
		MM1-550	Converting Metric Units of Measurement for Mass and Capacity
*6.M.2.1.6	Solve problems involving perimeter and area of rectangles.	MM1-505	Determining the Perimeter of Any Polygon
		MM1-510	Determining the Area of Parallelograms and Triangles
6.M.2.1.7	Use appropriate vocabulary and notations.	Throughout	Standard is demonstrated throughout. For examples, see definitions and vocabulary as listed at the end of each video on the Notebook screen.
*6.M.2.2.1	Identify and write ratios and scales (on a map).	MPA-110	Solving Problems Using Proportions, Scale Drawings, Models, and Maps
CONCEPTS AND PRINCIPALS OF ALGEBRA AND FUNCTIONS			
6.M.3.1.1	Discuss the meaning and use of variables in simple expressions and equations.	MM1-600	Introducing Variables in Algebra
*6.M.3.1.2	Translate simple word statements into algebraic equations.	MM1-615	Translating Words into Algebra
*6.M.3.1.3	Read and use symbols of "<," ">," and "=" to express relationships.	MM1-015	Comparing Numbers
		MM1-110	Comparing and Ordering Fractions with Like Denominators
		MM1-135	Comparing and Ordering Fractions with Like and Unlike Denominators
		MM1-275	Comparing Decimal Numbers
*6.M.3.2.1	Use the following properties in evaluating numerical expressions: commutative, associative, identity, zero, inverse, and distributive.	MM1-025	Identifying the Properties of Addition
		MM1-045	Identifying and Using Properties of Multiplication to Solve Problems
		MM1-180	Dividing Fractions
		MM1-570	Identifying Integers and Absolute Value
*6.M.3.2.2	Evaluate simple algebraic expressions using substitution.	MM1-620	Using the Order of Operations in Algebraic Expressions
		MPA-014	Evaluating Expressions for Given Variables
*6.M.3.3.1	Solve one-step equations with whole numbers.	MPA-009	Solving One-Step Equations Using a Box
		MPA-010	Solving One-Step Equations of Whole Numbers Using Addition and Subtraction
		MPA-011	Solving One-Step Equations of Whole Numbers Using Multiplication and Division
		MPA-012	Solving One-Step Equations of Whole Numbers Using All Operations
*6.M.3.4.1	Extend simple patterns and state a rule (function) that generates the	MM1-020	Identifying and Finding Number Patterns Using Whole Numbers

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	pattern using whole numbers, decimals, and fractions as inputs.		
*6.M.3.4.2	Describe and extend patterns by using manipulatives and pictorial representations.	MPA-104 MM1-020	Recognizing Patterns Identifying and Finding Number Patterns Using Whole Numbers
*6.M.3.4.3	Use mathematical models to show change in a real-world context.	MPA-104 MM1-020	Recognizing Patterns Identifying and Finding Number Patterns Using Whole Numbers
6.M.3.4.4	Use appropriate vocabulary.	MPA-104 Throughout	Recognizing Patterns Standard is demonstrated throughout. For examples, see definitions and vocabulary as listed at the end of each video on the Notebook screen.
*6.M.3.6.1	Use patterns to represent and solve simple problems.	MM1-050 MM1-425 MPA-003	Identifying Special Patterns in Multiplication Classifying Information from a Mathematical Story Using Four-Step Plan for Problem Solving
CONCEPTS AND PRINCIPALS OF GEOMETRY			
6.M.4.1.1	Describe relationships among types of one- and two- dimensional geometric figures, using their defining properties.	MM1-455	Identifying Basic Terms Used in Geometry
6.M.4.1.2	Draw and measure various angles and shapes using appropriate tools.	MM1-460 MPA-130	Measuring and Classifying Angles Developing a Sense of Relative Sizes of Measures
*6.M.4.1.3	Apply fundamental concepts, properties, and relationships among points, lines, rays, and angles.	MM1-455 MM1-460	Identifying Basic Terms Used in Geometry Measuring and Classifying Angles
*6.M.4.1.4	Describe reflections, translations, and rotations on various shapes.	MM1-500	Using Translations, Rotations and Reflections to Transform Shapes
*6.M.4.1.5	Identify congruence, similarities, and line symmetry of shapes.	MM1-470 MM1-475 MM1-480 MM1-500	Using Ratios to Identify Similar Figures Using Proportions to Solve for Unknown Lengths of Sides of Similar Figures Identifying and Labeling Triangles According to Their Sides and Angles Using Translations, Rotations and Reflections to Transform Shapes
6.M.4.1.6	Discuss the spatial relationship between two- and three-dimensional objects.	MPA-106 MPA-072 MPA-107	Identifying a Solid Figure From a Net Identifying 3-D Figures Constructing Three-Dimensional Figures and Examining Their Dimensions
6.M.4.1.7	Use appropriate vocabulary and symbols.	Throughout	Standard is demonstrated throughout. For examples, see definitions and vocabulary as listed at the end of each video on the Notebook screen:
*6.M.4.3.1	Identify and plot points in the first quadrant on a coordinate plane.	MM1-642	Exploring the Coordinate Plane and Graphing Ordered Pairs
DATA ANALYSIS, PROBABILITY, AND STATISTICS			
*6.M.5.1.1	Read and interpret tables, charts, and graphs, including broken line graphs, bar graphs, frequency tables, line plots, and circle graphs.	MM1-390 MM1-400 MM1-405 MM1-435 MPA-094	Understanding Data in Bar Graphs, Line Graphs, and Stem-and-Leaf Plots Interpreting Double Bar Graphs Interpreting and Constructing Circle Graphs Using Pictographs, Bar Graphs and Line Graphs to Solve Problems Interpreting and Constructing Line Plots
6.M.5.1.2	Explain and justify stated conclusions drawn from tables, charts, and graphs.	MM1-430 MM1-435	Using Graphs to Solve Story Problems Using Pictographs, Bar Graphs and Line Graphs to Solve Problems
6.M.5.1.3	Use appropriate vocabulary and notations.	Throughout	Standard is demonstrated throughout. For examples, see definitions and vocabulary as listed at the end of each video on the Notebook screen.
*6.M.5.2.1	Collect, organize, and display the data with appropriate notation in tables, charts, and graphs, including broken line graphs, bar graphs, frequency tables and line plots.	MM1-390 MM1-400 MM1-405 MM1-435	Understanding Data in Bar Graphs, Line Graphs, and Stem-and-Leaf Plots Interpreting Double Bar Graphs Interpreting and Constructing Circle Graphs Using Pictographs, Bar Graphs and Line Graphs to Solve Problems

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		MPA-094	Interpreting and Constructing Line Plots
*6.M.5.3.1	Find measures of central tendency – mean, median, and mode – with simple sets of data.	MM1-420	Defining and Calculating the Median and the Mode
*6.M.5.3.2	Calculate the range of a set of data.	MM1-415	Defining and Calculating the Range and the Mean
*6.M.5.4.1	Predict, perform, and record results of simple probability experiments.	MM1-230	Finding the Probability of Simple Events
		MM1-235	Finding Experimental Probability
6.M.5.4.2	Use the language of probability.	MM1-230	Finding the Probability of Simple Events
6.M.5.5.1	Make predictions based on data.	MM1-235	Finding Experimental Probability

*Indicates the benchmark standards that are assessed at the state level (ISAT).

MM1-Fundamentals of Mathematics

MPA- Pre-Algebra

HA1-Algebra 1

Note: Standards were taken from the Grade 6 Mathematics Content Standards K-12 document adopted by the Idaho State Board of Education in February 2007.