



Grade 6 Correlation to Content Standards 2008

	HCPS III	I CAN Learn® Lesson #	I CAN Learn® Lesson Title
Number and Operations			
MA.6.1.1	Compare and order fractions, decimals, and percents	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
		MM1-285	Ordering Decimals According to the Tenths, Hundredths and Thousandths
		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
		MM1-602	Comparing and Ordering Rational Numbers
MA.6.1.2	Explain and give examples of number theory concepts (e.g., prime factorization, common factors, greatest common factor, common multiples, least common multiple, divisibility)	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
MA.6.2.1	Apply the order of operations when calculating with whole numbers	MM1-080	Identifying the Order of Operations Using Multiplication, Addition, and Subtraction
		MM1-085	Identifying the Order of Operations for Multiplication, Addition, and Subtraction Using Parentheses and Exponents
MA.6.2.2	Use the operation properties to simplify computations with fractions, decimals, and percents	MM1-025	Identifying the Properties of Addition
		MM1-040	Using the Inverse Operations of Addition and Subtraction to Solve Problems Related to Number Sentences
		MM1-045	Identifying and Using Properties of Multiplication to Solve Problems
		MM1-050	Identifying Special Patterns in Multiplication
MA.6.3.1	Use estimation prior to computing with fractions and decimals and compare the estimation to the actual result	MM1-305	Estimating Products (of decimals) by Rounding to the Nearest Whole Number
		MPA-033	Estimating Computations with Fractions and Mixed Numbers
MA.6.3.2	Recognize situations in which it is more appropriate to estimate than to compute an exact answer	MPA-006	Determining Reasonableness of Answers and Appropriate Method of Computation
		MPA-133	Distinguishing Between Exact and Approximate Answers
Measurement			
MA.6.4.1	Estimate the circumference and area of a circle (with no reference to a formula)	MM1-515	Defining a Circle
MA.6.4.2	Construct angles with a given degree measure	MM1-460	Measuring and Classifying Angles

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MA.6.4.3	Apply strategies and formulas to solve area and perimeter problems involving polygons (e.g., regular hexagons) and complex shapes (i.e., shapes composed of two or more common shapes)	MM1-505	Determining the Perimeter of Any Polygon
		MM1-510	Determining the Area of Parallelograms and Triangles
		MPA-069	Finding the Area of Triangles and Trapezoids
		MPA-070	Finding the Circumference of a Circle
		MPA-071	Finding the Area of a Circle
		MPA-068	Finding the Area of Irregular Figures
Geometry and Spatial Sense			
MA.6.5.1	Analyze and describe the relationships among the angles, side lengths, perimeters, and areas of similar geometric figures	MM1-465	Naming and Classifying Polygons by Characteristics
		MM1-470	Using Ratios to Identify Similar Figures
MA.6.5.2	Create arguments for proving that two shapes are congruent	MM1-465	Naming and Classifying Polygons by Characteristics
		MPA-121	Identifying Similar and Congruent Polygons Using Proportions
MA.6.6.1	Use line symmetry and rotational symmetry to describe classifications of shapes (e.g., squares have 4 lines of symmetry and 90° rotational symmetry)	MM1-500	Using Translations, Rotations and Reflections to Transform Shapes
		MPA-180	Examining Line and Rotational Symmetry
MA.6.7.1	Construct a two-dimensional representation from different angles of a three-dimensional object	MPA-106	Identifying a Solid Figure From a Net
MA.6.7.2	Draw two-dimensional shapes with specified properties	MM1-465	Naming and Classifying Polygons by Characteristics
		MM1-480	Identifying and Labeling Triangles According to Their Sides and Angles
MA.6.8.1	Predict the shape that is formed by connecting the points represented by given coordinates	MPA-160	Plotting Polygons and Finding the Area
MA.6.8.2	Use coordinate geometry to represent and analyze properties of geometric shapes	MPA-160	Plotting Polygons and Finding the Area
Patterns, Functions, and Algebra			
MA.6.9.1	Represent visual and numerical patterns with tables and graphs and generalize the "rule" using words and symbols	MM1-020	Identifying and Finding Number Patterns Using Whole Numbers
		MPA-104	Recognizing Patterns
MA.6.9.2	Describe simple one-step functions using words and symbols when given a table of "input" and "output" values	MPA-102	Graphing Equations by Plotting Points
		MPA-103	Distinguishing Between Relations and Functions
MA.6.10.1	Interpret and solve problem situations involving two different variables	MM1-605	Converting Fahrenheit and Celsius
		MPA-102	Graphing Equations by Plotting Points
MA.6.10.2	Use fact families to solve for an unknown in an open sentence	MM1-625	Solving Algebraic Equations Using the Inverse Operations of Addition and Subtraction
		MM1-630	Solving Algebraic Equations Using the Inverse Operations of Multiplication and Division
MA.6.10.3	Evaluate algebraic expressions	MM1-620	Using the Order of Operations in Algebraic Expressions
		MM1-640	Solving Algebraic Word Problems
Data Analysis, Statistics, and Probability			
MA.6.11.1	Analyze how data collection methods and sample size can affect the results of data sets	MM1-385	Collecting Data
MA.6.12.1	Determine and interpret the measures of center (mean, median, mode) of a data set and explain what each measure indicates about the data set	MM1-415	Defining and Calculating the Range and the Mean
		MM1-420	Defining and Calculating the Median and the Mode
MA.6.12.2	Use a stem-and-leaf plot to analyze a set of data	MM1-390	Understanding Data in Bar Graphs, Line Graphs, and Stem-and-Leaf Plots
MA.6.13.1	Make inferences about a population based on the interpretation of a sample data set	MPA-098	Making Predictions from Graphs and Choosing the Correct Graph

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		MPA-099	Recognizing Misleading Statistics and Graphs
		MPA-840	Interpreting Data
MA.6.14.1	Compute probabilities of simple compound events (e.g., rolling two dice, using two different spinners at the same time)	MPA-090	Finding the Probability of Simple Real-Life Events
		MPA-112	Constructing Sample Spaces for Compound Events (Dependent and Independent)
		MPA-113	Finding the Probability of Compound Events Through Experimentation

MM1-Fundamentals of Mathematics

MPA- Pre-Algebra

HA1-Algebra 1

HGM - Geometry (New course in development)

Note: Standards were taken from the 2007 Hawaii Content and Performance Standards for Mathematics - Grade 6 document adopted by the Hawaiian State Board of Education in 2007.