



## 6th Grade Correlation to Mathematics Content Standards

	Mathematics Curriculum Framework	I CAN Learn <sup>®</sup> Lesson Number	I CAN Learn <sup>®</sup> Lesson Title
<b>BIG IDEA 1</b>	<b>Develop an understanding of and fluency with multiplication and division of fractions and decimals.</b>		
MA.6.A.1.1	Explain and justify procedures for multiplying and dividing fractions and decimals.	MPA-123	Modeling Multiplication and Division of Fractions
		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
		MPA-122	Modeling Multiplication and Division of 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
MA.6.A.1.2	Multiply and divide fractions and decimals efficiently.	MPA-123	Modeling Multiplication and Division of Fractions
		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
		MPA-122	Modeling Multiplication and Division of 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
MA.6.A.1.3	Solve real-world problems involving multiplication and division of fractions and decimals.	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

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<b>BIG IDEA 2</b>	<b>Connect ratio and rates to multiplication and division.</b>		
MA.6.A.2.1	Use reasoning about multiplication and division to solve ratio and rate problems.	MM1-205	Writing a Ratio to Compare Two Objects
		MM1-210	Identifying and Writing Equal Ratios
		MM1-215	Identifying a Rate to Solve Problems
MA.6.A.2.2	Interpret and compare ratios and rates.	MM1-205	Writing a Ratio to Compare Two Objects
		MM1-210	Identifying and Writing Equal Ratios
		MM1-215	Identifying a Rate to Solve Problems
<b>BIG IDEA 3</b>	<b>Write, interpret, and use mathematical expressions and equations.</b>		
MA.6.A.3.1	Write and evaluate mathematical expressions that correspond to given situations.	MM1-615	Translating Words into Algebra
		MM1-620	Using the Order of Operations in Algebraic Expressions
		MM1-605	Converting Fahrenheit and Celsius
		MM1-610	Finding Simple Interest
MA.6.A.3.2	Write, solve, and graph one- and two- step linear equations and inequalities.	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
		MM1-635	Calculating Distance, Rate, or Time by Solving Equations
		MM1-640	Solving Algebraic Word Problems
		MM1-641	Graphing the Solution to an Algebraic Equation
		MPA-109	Solving and Graphing Linear Inequalities on a Number Line
MA.6.A.3.3	Works backward with two-step function rules to undo expressions.	MPA-125	Formulating a Possible Problem Situation Given an Equation
MA.6.A.3.4	Solve problems given a formula.	MM1-605	Converting Fahrenheit and Celsius
		MM1-610	Finding Simple Interest
		MPA-077	Solving Problems Using a Formula
MA.6.A.3.5	Apply the Commutative, Associative, and Distributive Properties to show that two expressions are equivalent.	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.A.3.6	Construct and analyze tables, graphs and equations to describe linear functions and other simple relations using both common language and algebraic notation.	MPA-102	Graphing Equations by Plotting Points
		MPA-103	Distinguishing Between Relations and Functions
<b>SUPPORTING IDEA 4</b>	<b>Geometry and Measurement</b>		
MA.6.G.4.1	Understand the concept of $\pi$ , know common estimates of $\pi$ (3.14; 22/7) and use these values to estimate and calculate the circumference and the area of circles.	MM1-515	Defining a Circle
		MPA-070	Finding the Circumference of a Circle
		MPA-071	Finding the Area of a Circle
MA.6.G.4.2	Find the perimeters and areas of composite two-dimensional figures, including non-rectangular figures (such as semicircles) using various strategies.	MM1-505	Determining the Perimeter of Any Polygon
		MM1-510	Determining the Area of Parallelograms and Triangles
		MPA-068	Finding the Area of Irregular Figures
MA.6.G.4.3	Determine a missing dimension of a plane figure or prism, given its area or volume and some of the dimensions, or determine the area or volume given the dimensions.	MM1-510	Determining the Area of Parallelograms and Triangles

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		MM1-515	Defining a Circle
		MM1-525	Finding the Volume of Rectangular and Triangular Prisms
		MM1-530	Finding the Volume of a Cylinder
<b>SUPPORTING IDEA 5</b>	<b>Number and Operations</b>		
MA.6.A.5.1	Use equivalent forms of fractions, decimals, and percents to solve problems.	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
MA.6.A.5.2	Compare and order fractions, decimals, and percents, including finding their approximate location on a number line.	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
		MM1-602	Comparing and Ordering Rational Numbers
MA.6.A.5.3	Estimate the results of computations with fractions, decimals, and percents and judge the reasonableness of the results.	MM1-030	Estimating Sums and Differences
		MM1-060	Estimating Products
		MM1-070	Estimating Quotients
		MPA-033	Estimating Computations with Fractions and Mixed Numbers
		MM1-305	Estimating Products by Rounding to the Nearest Whole Number
		MM1-320	Performing Mathematical Operations with Decimal Numbers in Application Problems
		MPA-006	Determining Reasonableness of Answers and Appropriate Method of Computation
		MM1-380	Converting Fractions to Decimals and Percents
<b>SUPPORTING IDEA 6</b>	<b>Data Analysis</b>		
MA.6.S.6.1	Determine the measures of central tendency (mean, median, and mode) and variability (range) for a given set of data.	MM1-415	Defining and Calculating the Range and the Mean
		MM1-420	Defining and Calculating the Median and the Mode
MA.6.S.6.2	Select and analyze the measures of central tendency or variability to represent, describe, analyze and/or summarize a data set for the purposes of answering questions appropriately.	MM1-390	Understanding Data in Bar Graphs, Line Graphs, and Stem-and-Leaf Plots
		MM1-410	Interpreting Box-and-Whisker Plots
		MM1-430	Using Graphs to Solve Story Problems
		MM1-435	Using Pictographs, Bar Graphs and Line Graphs to Solve Problems

MM1-Fundamentals of Mathematics

MPA- Pre-Algebra

HA1-Algebra 1

Note: Standards were taken from the Grade 6 Florida Mathematics Content Standards document adopted by the Florida Department of Education on September 18, 2007.