



6th Grade TEKS Correlation

	Mathematics Curriculum Framework	Lesson Number	Lesson Title
NUMBER, OPERATION, AND QUANTITATIVE REASONING			
6.1 (A)	Compare and order non-negative rational numbers.	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
6.1 (B)	Generate equivalent forms of rational numbers including whole numbers, fractions, and decimals.	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
6.1 (C)	Use integers to represent real-life situations.	MM1-570	Identifying Integers and Absolute Value
		MPA-045	Comparing and Ordering Integers
6.1 (D)	Write prime factorizations using exponents.	MM1-090	Identifying Prime and Composite Numbers
		MM1-095	Expressing a Number as a Product of Prime Numbers
		MPA-026	Using Prime Factorization
6.1 (E)	Identify factors of a positive integer, common factors, and the greatest common factor of a set of positive integers.	MM1-105	Identifying the Greatest Common Factor and the Least Common Multiple
		MM1-115	Writing Fractions in Simplest Form
6.1 (F)	Identify multiples of a positive integer and common multiples and the least common multiple of a set of positive integers.	MM1-105	Identifying the Greatest Common Factor and the Least Common Multiple
		MM1-115	Writing Fractions in Simplest Form
6.2 (A)	Model addition and subtraction situations involving fractions with objects, pictures, words, and numbers.	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
6.2 (B)	Use addition and subtraction to solve problems involving fractions and decimals.	MM1-145	Adding and Subtracting Fractions with Like and Unlike Denominators
		MM1-150	Adding Mixed Numbers with Like Denominators
		MM1-300	Adding and Subtracting Decimals
6.2 (C)	Use multiplication and division of whole numbers to solve problems including situations involving equivalent ratios and rates.	MM1-055	Multiplying Whole Numbers with Two and Three Digits
		MM1-075	Dividing with Remainders and Zeros in the Quotient
		MM1-210	Identifying and Writing Equal Ratios
6.2 (D)	Estimate and round to approximate reasonable results and to solve problems where exact answers are not required.	MM1-010	Rounding Whole Numbers to the Nearest Million, 10 Million, 100 Million and Billion
		MM1-030	Estimating Sums and Differences

	Mathematics Curriculum Framework	Lesson Number	Lesson Title
		MM1-060	Estimating Products
		MM1-070	Estimating Quotients
		MM1-290	Rounding Decimals to the Nearest Whole Number
		MM1-295	Rounding Decimals to the Nearest Tenth, Hundredth and Thousandth
		MM1-305	Estimating Products by Rounding to the Nearest Whole Number
		MM1-340	Rounding Quotients
6.2 (E)	Use order of operations to simplify whole number expressions (without exponents) in problem solving situations.	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
PATTERNS, RELATIONSHIPS, AND ALGEBRAIC THINKING			
6.3 (A)	Use ratios to describe proportional situations.	MM1-205	Writing a Ratio to Compare Two Objects
		MM1-210	Identifying and Writing Equal Ratios
		MPA-078	Expressing Ratios as Fractions and Determining Equivalency
6.3 (B)	Represent ratios and percents with concrete models, fractions, and decimals.	MM1-210	Identifying and Writing Equal Ratios
		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
6.3 (C)	Use ratios to make predictions in proportional situations.	MM1-220	Writing and Forming Proportions
		MM1-225	Solving Proportions
6.4 (A)	Use tables and symbols to represent and describe proportional and other relationships such as those involving conversions, arithmetic sequences (with a constant of change), perimeter and area.	MM1-220	Writing and Forming Proportions
		MM1-225	Solving Proportions
		MM1-470	Using Ratios to Identify Similar Figures
		MM1-475	Using Proportions to Solve for Unknown Lengths of Sides of Similar Figures
		MPA-111	Comparing Perimeters, Areas, and Volumes of Similar Geometric Figures and Solids
6.4 (B)	Use tables of data to generate formulas representing relationships involving perimeter, area, volume of a rectangular prism, etc.	MM1-505	Determining the Perimeter of Any Polygon
		MM1-510	Determining the Area of Parallelograms and Triangles
		MM1-515	Defining a Circle
		MM1-520	Finding the Surface Area of a Rectangular Prism
6.5	Formulate equations from problem situations described by linear relationships.	MM1-525	Finding the Volume of Rectangular and Triangular Prisms
		MM1-195	Identifying the Mathematical Question Given in a Word Problem
		MM1-425	Classifying Information from a Mathematical Story
		MPA-042	Solving Problems Using an Equation
GEOMETRY AND SPATIAL REASONING			
6.6 (A)	Use angle measurements to classify angles as acute, obtuse, or right.	MM1-460	Measuring and Classifying Angles
		MPA-056	Classifying Angles
		MPA-057	Identifying and Applying Supplementary and Complementary Angles
6.6 (B)	Identify relationships involving angles in triangles and quadrilaterals.	MM1-465	Naming and Classifying Polygons by Characteristics
		MM1-480	Identifying and Labeling Triangles According to Their Sides and Angles
6.6 (C)	Describe the relationship between radius, diameter, and circumference of a circle.	MM1-515	Defining a Circle
		MPA-070	Finding the Circumference of a Circle
6.7	Locate and name points on a coordinate plane using ordered pairs of non-negative rational numbers.	MM1-642	Exploring the Coordinate Plane and Graphing Ordered Pairs
		MPA-046	Graphing Points on a Coordinate Plane

MEASUREMENT			
6.8 (A)	Estimate measurements (including circumference) and evaluate reasonableness of results.	MPA-130	Developing a Sense of Relative Sizes of Measures
		MPA-133	Distinguishing Between Exact and Approximate Answers (<i>Future release</i>)
6.8 (B)	Select and use appropriate units, tools, or formulas to measure and to solve problems involving length (including perimeter), area, time, temperature, volume, and weight.	MM1-505	Determining the Perimeter of Any Polygon
		MM1-510	Determining the Area of Parallelograms and Triangles
		MM1-515	Defining a Circle
		MM1-520	Finding the Surface Area of a Rectangular Prism
		MM1-525	Finding the Volume of Rectangular and Triangular Prisms
		MM1-530	Finding the Volume of a Cylinder
		MM1-555	Determining Elapsed Time from A.M. to P.M. and P.M. to A.M.
		MM1-635	Calculating Distance, Rate, or Time by Solving Equations
6.8 (C)	Measure angles.	MM1-460	Measuring and Classifying Angles
		MPA-105	Determining the Measure of Angles Made by Parallel Lines and a Transversal
6.8 (D)	Convert measures within the same measurement system (customary and metric) based on relationships between units.	MM1-535	Converting Customary Units of Measurement for Length
		MM1-540	Converting Customary Unit 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
		MPA-061	Converting Metric Units of Length, Capacity, and Mass
		MPA-062	Converting Units in Customary System
PROBABILITY AND STATISTICS			
6.9 (A)	Construct sample spaces using lists and tree diagrams.	MPA-089	Using Tree Diagrams
		MPA-112	Constructing Sample Spaces for Compound Events (Dependent and Independent)
6.9 (B)	Find the probabilities of a simple event and its complement and describe the relationship between the two.	MM1-230	Finding the Probability of Simple Events
		MM1-230	Finding the Probability of Simple Events
		MPA-113	Finding the Probability of Compound Events Through Experimentation
		MPA-114	Finding the Odds of Events and Experimental Probability from a Math Model
6.10 (A)	Select and use an appropriate representation for presenting and displaying different graphical representations of the same data including line plot, line graph, bar graph, and stem and leaf plot.	MM1-390	Understanding Data in Bar Graphs, Line Graphs, and Stem-and-Leaf Plots
		MM1-395	Analyzing Data in Line Graphs, Bar Graphs, Stem-and-Leaf Plots
		MM1-445	Interpreting and Making Decisions from Graphically Represented Data
6.10 (B)	Identify mean (using concrete objects and pictorial models), median, mode, and range of a set of data.	MM1-415	Defining and Calculating the Range and the Mean
		MM1-420	Defining and Calculating the Median and the Mode
6.10 (C)	Sketch circle graphs to display data.	MM1-405	Interpreting and Constructing Circle Graphs
6.10 (D)	Solve problems by collecting, organizing, displaying, and interpreting data.	MM1-385	Collecting Data
		MM1-390	Understanding Data in Bar Graphs, Line Graphs, and Stem-and-Leaf Plots
		MM1-395	Analyzing Data in Line Graphs, Bar Graphs, Stem-and-Leaf Plots
		MM1-400	Interpreting Double Bar Graphs
		MM1-405	Interpreting and Constructing Circle Graphs
		MM1-410	Interpreting Box-and-Whisker Plots
		MM1-425	Classifying Information from a Mathematical Story
		MM1-430	Using Graphs to Solve Story Problems
		MM1-435	Using Pictographs, Bar Graphs and Line Graphs to Solve Problems
		MM1-445	Interpreting and Making Decisions from Graphically Represented Data
UNDERLYING PROCESSES AND MATHEMATICAL TOOLS			
6.11 (A)	Identify and apply mathematics to everyday experiences, to activities	<i>Throughout</i>	

	in and outside of school, with other disciplines, and with other mathematical topics.		
6.11 (B)	Use a problem-solving model that incorporates understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness.	MM1-195	Identifying the Mathematical Question Given in a Word Problem
		MM1-425	Classifying Information from a Mathematical Story
		MPA-003	Using Four-Step Plan for Problem Solving
		MPA-006	Determining Reasonableness of Answers and Appropriate Method of Computation
		MPA-007	Solving Problems Using Logical Reasoning Skills
6.11 (C)	Select or develop an appropriate problem-solving strategy from a variety of different types, including drawing a picture, looking for a pattern, systematic guessing and checking, acting it out, making a table, working a simpler problem, or working backwards to solve a problem.	MM1-040	Using the Inverse Operations of Addition and Subtraction to Solve Problems Related to Number Sentences
		MM1-060	Estimating Products
		MM1-070	Estimating Quotients
		MM1-430	Using Graphs to Solve Story Problems
		MM1-435	Using Pictographs, Bar Graphs and Line Graphs to Solve Problems
6.11 (D)	Select tools such as real objects, manipulatives, paper/pencil, and technology or techniques such as mental math, estimation, and number sense to solve problems.	MM1-030	Estimating Sums and Differences
		MM1-035	Adding Three or More Whole Numbers and Subtracting with Regrouping
		MM1-040	Using the Inverse Operations of Addition and Subtraction to Solve Problems Related to Number Sentences
		MM1-050	Identifying Special Patterns in Multiplication
		MM1-055	Multiplying Whole Numbers with Two and Three Digits
		MM1-060	Estimating Products
		MM1-070	Estimating Quotients
		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
		MM1-305	Estimating Products by Rounding to the Nearest Whole Number
6.12 (A)	Communicate mathematical ideas using language, efficient tools, appropriate units, and graphical, numerical, physical, or algebraic mathematical models.	MM1-195	Identifying the Mathematical Question Given in a Word Problem
		MM1-425	Classifying Information from a Mathematical Story
6.12 (B)	Evaluate the effectiveness of different representations to communicate ideas.	MPA-006	Determining Reasonableness of Answers and Appropriate Method of Computation
6.13 (A)	Make conjectures from patterns or sets of examples and non-examples.	MPA-104	Recognizing Patterns
6.13 (B)	Validate his/her conclusions using mathematical properties and relationships.	MPA-006	Determining Reasonableness of Answers and Appropriate Method of Computation

MM1-Fundamentals of Mathematics
MPA-Pre-Algebra
HA1-Algebra 1

Note: The standards and expectations in this document were obtained from the Texas Education Agency Chapter 111. Texas Essential Knowledge and Skills for Mathematics with a revised date of March 2005 and an effective date for the 2005-2006 school year.