

Curriculum – Math 6

First Marking Period		Standard(s)
<u>Representing Whole Numbers and Operations</u>	DAYS	
Place value	1 day	
Expanded form	1 day	
Exponential form	2 days	
Comparing and Ordering whole numbers	2 days	
Estimation/rounding whole numbers	2 days	
Properties of addition and multiplication	2 days	
Order of operations	3 days	
Problem solving involving operations	3 days	
	Total = 16 days	
<u>Eligible Content/Anchors</u>		
M6.A.1.1.3 Represent a number in exponential form		2.1.6.A, 2.1.6.B, 2.1.6.C, 2.1.6D, 2.1.6.E
M6.A.1.2.1 Compare and/or order whole numbers, mixed numbers, fractions and/or decimals (do not mix fractions and decimals)		2.1.6.A, 2.1.6.B, 2.1.6.C, 2.1.6D, 2.1.6.E
M6.A.3.1.1 Use estimation to solve problems involving whole numbers and decimals (up to 2-digit divisors and 4 operations)		2.2.6.B, 2.2.6.D
M6.A.3.2.1 Solve problems involving operations (+, -, x, /) with whole numbers, decimals (through thousandths) and fractions (avoid complicated LCDs)- straight computation or word problems		2.2.6.B, 2.2.6.D
M6.A.2.1.1 Complete equations by using the following properties: Associative, commutative, distributive and identity		2.2.6.C

<u>Algebra</u>	DAYS	
Solving addition, subtraction, multiplication, and division expressions	2 days	
Writing/translating addition, subtraction, multiplication, and division expressions	2 days	
Identifying inverse operations	2 days	
One step equations	3 days	
Using formulas	2 days	
Function tables and input/output chart	3 days	
Total = 14 days		
<u>Eligible Content/Anchors</u>		
M6.D.2.1.1 Identify the inverse operation needed to solve a one-step equation		2.8.6.A, 2.8.6.B, 2.8.6.D, 2.8.6.E, 2.8.6.F
M6.D.2.1.2 Solve a one-step equation (i.e., using the inverse operation-whole numbers only)		2.8.6.A, 2.8.6.B, 2.8.6.D, 2.8.6.E, 2.8.6.F
M6.D.2.2.1 Match an equation or expression involving one variable, to a verbal math situation (one operation only)		2.8.6.A, 2.8.6.B, 2.8.6.D, 2.8.6.E, 2.8.6.F
M6.D.1.1.1 Create, extend or find a missing element in a pattern displayed in a table, chart, or graph (pattern must show at least 3 repetitions- may use up to 2 operations with whole numbers)		2.8.6.C
M6.D.1.2.1 Determine a rule based on a pattern or illustrate a pattern based on a given rule (displayed on a table, chart or graph; pattern must show at least 3 repetitions)		2.8.6.C

<u>Decimals</u>	DAYS	
Comparing and Ordering	2 days	
Rounding/Estimating	1 day	
Adding, Subtracting, Multiplying, and Dividing	2 days	
Terminating and Repeating decimals	2 days	
Decimals to fractions	2 days	
Problem solving using decimals	2 days	
Total = 11 days		
<u>Eligible Content/Anchors</u>		
<u>M6.A.1.1.2 Convert between fractions and decimals and/or differentiate between a terminating decimal and a repeating decimal</u>		2.1.6.A, 2.1.6.B, 2.1.6.C, 2.1.6D, 2.1.6.E
<u>M6.A.1.2.1 Compare and/or order whole numbers, mixed numbers, fractions and/or decimals (do not mix fractions and decimals)</u>		2.1.6.A, 2.1.6.B, 2.1.6.C, 2.1.6D, 2.1.6.E
<u>M6.A.3.1.1 Use estimation to solve problems involving whole numbers and decimals (up to 2-digit divisors and 4 operations)</u>		2.2.6.B, 2.2.6.D
<u>M6.A.3.2.1 Solve problems involving operations (+, -, x, /) with whole numbers, decimals (through thousandths) and fractions (avoid complicated LCDs)- straight computation or word problems</u>		2.2.6.B, 2.2.6.D
Total days 1st marking period = 41 days		

Second Marking Period	
<u>Fractions</u>	Days
Divisibility rules	2 days
Equivalent fractions	2 days
Greatest common factor	2 days
Simplifying fractions	2 days
Mixed numbers and improper fractions	2 days
Least common multiple	2 days
Comparing and ordering fractions	2 days
Fractions to decimals	2 days
Adding, subtracting, multiplying and dividing mixed numbers and fractions	3 days
Problem solving using fractions	2 days
Total = 21 days	
<u>Eligible Content/Anchors</u>	
M6.A.1.1.2 Convert between fractions and decimals and/or differentiate between a terminating decimal and a repeating decimal	2.1.6.A, 2.1.6.B, 2.1.6.C, 2.1.6D, 2.1.6.E
M6.A.1.1.4 Represents a mixed number as an improper fraction	2.1.6.A, 2.1.6.B, 2.1.6.C, 2.1.6D, 2.1.6.E
M6.A.1.2.1 Compare and/or order whole numbers, mixed numbers, fractions and/or decimals (do not mix fractions and decimals)	2.1.6.A, 2.1.6.B, 2.1.6.C, 2.1.6D, 2.1.6.E
M6.A.1.3.1 Find the Greatest Common Factor of two numbers (through 50) and/or use the GCF to simplify fractions	2.1.6.A, 2.1.6.B, 2.1.6.C, 2.1.6D, 2.1.6.E

M6.A.1.3.2 Find the Least Common Multiple of two numbers (through 50) and/or use the LCM to find the common denominator of two fractions	2.1.6.A, 2.1.6.B, 2.1.6.C, 2.1.6D, 2.1.6.E
M6.A.1.3.3 Use divisibility rules for 2, 3, 5, and/or 10 to draw conclusions and/or solve problems	2.1.6.A, 2.1.6.B, 2.1.6.C, 2.1.6D, 2.1.6.E
M6.A.3.1.1 Use estimation to solve problems involving whole numbers and decimals (up to 2-digit divisors and 4 operations)	2.2.6.B, 2.2.6.D
M6.A.3.2.1 Solve problems involving operations (+, -, x, /) with whole numbers, decimals (through thousandths) and fractions (avoid complicated LCDs)- straight computation or word problems	2.2.6.B, 2.2.6.D
<u>Geometry</u>	Days
Measure and Draw angles	2 days
Define, identify, and label angles	2 days
Identify and/or describe triangles	2 days
Identify/classify polygons	2 days
Total number of degrees in a triangle, quadrilateral and or circle	2 days
Identify describe and label, parallel, perpendicular, parallel lines	2 days
Identify, draw, and label points, planes, lines, line segments, rays, angles and vertices	2 days
Perimeter	1 day
Area	2 days
Diameter and Radius of circles	2 days
	Total = 19 Days
<u>Eligible Content/Anchors</u>	
M6.B.2.1.3 Measure angles using a protractor up to 180 degrees- protractor must be drawn-one side of the angle to be measured should line up with the straight edge of the protractor	2.3.6.A, 2.3.6.B, 2.3.6.C, 2.9.6.A
M6.B.2.3.1 Define, label and/or identify right, straight, acute and obtuse angles	2.3.6.A, 2.3.6.B, 2.3.6.C, 2.9.6.A
M6.B.2.2.1 Find the perimeter of any polygon (may include regular polygons where only the measure of one side is	2.3.6.A, 2.3.6.B,

given- same units throughout)		2.3.6.C, 2.9.6.A
M6.C.1.1.1 Identify, classify and/or compare polygons (up to ten sides)		2.9.6.A
M6.C.1.1.2 Identify and/or describe properties of all types of triangles (scalene, equilateral, isosceles, right, acute, obtuse)		2.9.6.A
M6.C.1.1.3 Identify and/or determine the measure of the diameter and/or radius of a circle (when one or the other is given)		2.9.6.A
M6.C.1.1.4 Identify and use the total number of degrees in a triangle, quadrilateral and/or circle		2.9.6.A
M6.C.1.2.1 Identify, describe and/or label parallel, perpendicular or intersecting lines		2.9.6.A
M6.C.1.2.2 Identify, draw and/or label points, planes, lines, line segments, rays, angles and vertices		2.9.6.A
Total days 2nd marking period= 40 days		
<u>Third Marking Period</u>		
<u>Ratio, Proportion, and Percent</u>	Days	
Ratios and Proportions	3 days	
Percents as fractions or decimals	3 days	
Comparing/ordering decimals, fractions, and percents	2 days	
Model percent using drawings, graphs, and/or sets	2 days	
<u>Eligible Content/Anchors</u>	Total = 10 days	
M6.A.1.1.1 Represent common percents as fractions and/or decimals		2.1.6.A, 2.1.6.B, 2.1.6.C, 2.1.6D, 2.1.6.E
M6.A.1.2.1 Compare and/or order whole numbers, mixed numbers, fractions and/or decimals (do not mix fractions and decimals)		2.1.6.A, 2.1.6.B, 2.1.6.C, 2.1.6D, 2.1.6.E
M6.A.1.4.1 Model percents (through 100%) using drawings, graphs and/or sets (e.g., circle graph, base ten blocks, etc)		2.1.6.A, 2.1.6.B, 2.1.6.C, 2.1.6D, 2.1.6.E

<u>Data and Statistics</u>	Days	
Probability of a simple event	3 days	
Determine and show combinations	3 days	
Frequency tables	2 days	
Circle graphs	2 days	
Double bar graphs	2 days	
Plotting, locate or identify points in a coordinate plane (quadrant I)	2 days	
Double line graphs	2 days	
Line plots	2 days	
Histograms	2 days	
Mean, median, mode, range	2 days	
Stem-and-leaf or box-and-whisker plots	2 days	
Total = 24 Days		
<u>Eligible Content/Anchors</u>		
<u>M6.E.1.1.1 Analyze data and/or answer questions pertaining to data represented in frequency tables, circle graphs, double bar graphs, double line graphs or line plots (for circle graphs, no computation with percents)</u>		2.6.6.A, 2.6.6.B, 2.6.6.D, 2.6.6.E
<u>M6.E.1.1.2 Choose the appropriate representation for a specific set of data (choices should be the same type of graph)</u>		2.6.6.A, 2.6.6.B, 2.6.6.D, 2.6.6.E
<u>M6.E.1.1.3 Display data in frequency tables, circle graphs, double-bar graphs, double line graphs or line plots using a title, appropriate scale, labels and a key when needed. Circle graphs for open-ended items much show a center point and tic marks.</u>		2.6.6.A, 2.6.6.B, 2.6.6.D, 2.6.6.E
<u>M6.E.2.1.1 Determine/calculate the mean, median, mode and/or range of displayed data (data can be displayed in a table or line plot-use whole numbers only up to 2 digits)</u>		2.6.6.C
<u>M8.E.1.1.1 Choose and/or explain the correct representation (graph) for a set of data</u>		2.6.6.D, 2.6.6.E
<u>M8.E.1.1.2 Analyze data and/or answer questions pertaining to data sown in multiple line graphs, circle graphs, or histograms</u>		2.6.6.D, 2.6.6.E
<u>M8.E.1.1.3 Interpret data shown in stem-and-leaf or box-and-whisker plots</u>		2.6.6.D, 2.6.6.E
<u>M6.E.3.1.1 Define and/or find the probability of a simple event (express as a fraction in lowest terms)</u>		2.7.6.A, 2.7.6.B, 2.7.6.C, 2.7.6.D,

	2.7.6.E
<u>M6.E.3.1.2 Determine/show all possible combinations involving no more than 20 total arrangements (eg., tree diagram, table, grid)</u>	2.7.6.A, 2.7.6.B, 2.7.6.C, 2.7.6.D, 2.7.6.E
<u>M6.C.3.1.1 Plot, locate or identify points on Quadrant I and/or on the x and y axes with intervals of 1,2,5,or 10 units – up to a 200 by 200 grid. Points may be in-between lines.</u>	2.9.6.B, 2.9.6.C
<u>Measurement</u>	DAYS
Use or read a ruler to measure to the nearest 1/16 inch or millimeter	3 days
Choose the more precise measurement	2 days
Elapsed time to the minute	2 days
	Total = 7 days
<u>Eligible Content/Anchors</u>	
M6.B.2.1.1 Use or read a ruler to measure to the nearest 1/16 inch or millimeter	2.3.6.A, 2.3.6.B, 2.3.6.C, 2.9.6.A
M6.B.2.1.2 Choose the more precise measurement of a given object (e.g., smaller measurements are more precise)	2.3.6.A, 2.3.6.B, 2.3.6.C, 2.9.6.A
M6.B.1.1.1 Determine and/or compare elapsed time to the minute (time may cross AM to PM or more than one day)	2.3.6.C
	Total 3rd marking period = 41 Days

Fourth Marking Period		
<u>Integers</u>	Days	2.1.7.A, 2.1.7.B
Adding, subtracting, multiplying, and dividing integers	3 days	
Equations with integers	3 days	
Ordered pairs and graphing	3 days	
Total = 9 days		
<u>Transformations and Symmetry</u>	Days	2.9.6.B
Rotation	3 days	
Reflections	3 days	
Translations	3 days	
Lines of symmetry	3 days	
Tessellations	3 days	
Total = 15 days		
<u>Conversions</u>	Days	2.3.6.D
Perform basic conversions within the metric and within the customary system	3 days	
<u>Percent Application</u>	Days	2.1.8.C, 2.2.8.C
Discount and Sale Price	3 days	
Sale Tax and Total Cost	3 days	
Better Buy	3 days	
Commission	3 days	
Simple Interest	3 days	
Total = 15 days		
Total 4th marking period = 39 days		

