Standard Code	Standards
MS6-MA-EE.01.00*.0	Write and evaluate numerical expressions involving whole-number exponents.
MS6-MA-EE.02.00*.0	Write, read, and evaluate expressions in which letters stand for numbers.
MS6-MA-EE.02.A.0	Write expressions that record operations with numbers and with
	letters standing for numbers. For example, express the calculation
	õSubtract y from 5ö as 5 ó y.
MS6-MA-EE.02.B.0	Identify parts of an expression using mathematical terms (sum,
	term, product, factor, quotient, coefficient); view one or more
	parts of an expression as a single entity. For example, describe the
	expression $2(8+7)$ as a product of two factors; view $(8+7)$ as both a single entity and a sum of two terms.
	Evaluate expressions at specific values of their variables. Include
	expressions that arise from formulas used in real-world problems.
	Perform arithmetic operations, including those involving wholenumber
MS6-MA-EE.02.C.0	exponents, in the conventional order when there are no
	parentheses to specify a particular order (Order of Operations).
	For example, use the formulas $V = s3$ and $A = 6 s2$ to find the volume and surface area of a cube with sides of length $s = s3$
	1/2.
	Apply the properties of operations to generate equivalent expressions. (e.g., apply the distributive property to the
MS6-MA-EE.03.00.0	expression 3 $(2 + x)$ to produce the equivalent expression $6 + 3x$; apply the distributive property to the expression
Mass Mar Editorio	24x + 18y to produce the equivalent expression 6 (4x + 3y); apply properties of operations to y + y + y to produce the
	equivalent expression 3y.
	Identify when two expressions are equivalent (i.e., when the two expressions name the same number regardless of
MS6-MA-EE.04.00.0	which value is substituted into them). (e.g., the expressions $y + y + y$ and 3y are equivalent because they name the
	same number regardless of which number y stands for.
MCC MA EE 07 00 0	Understand solving an equation or inequality as a process of answering a question: which values from a specified set,
MS6-MA-EE.05.00.0	if any, make the equation or inequality true? Use substitution to determine whether a given number in a specified set
	makes an equation or inequality true.
MS6-MA-EE.06.00*.0	Use variables to represent numbers and write expressions when solving a real-world or mathematical problems.
MS6-MA-EE.07.00.0	Solve real-world and mathematical problems by writing and solving equations of the form $x + p = q$ and $px = q$ for
	cases in which p, q and x are all nonnegative rational numbers.
	Write an inequality of the form $x > c$ or $x < c$ to represent a constraint or condition in a real-world or mathematical
MS6-MA-EE.08.00.0	problem. Recognize that inequalities of the form $x > c$ or $x < c$ have infinitely many solutions; represent solutions of
	such inequalities on number line diagrams.

Standard Code	Standards
MS6-MA-EE.09.00.0	Use variables to represent two quantities in a real-world problem that change in relationship to one another; write an equation to express one quantity, thought of as the dependent variable, in terms of the other quantity, thought of as the independent variable. Analyze the relationship between the dependent and independent variables using graphs and tables, and relate these to the equation. (e.g., in a problem involving motion at constant speed, list and graph ordered airs of distances and times, and write the equation d = 65t to represent the relationship between distance and time.
MS6-MA-G.01.00*.0	Find the area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; apply these techniques in the context of solving real-world and mathematical problems.
MS6-MA-G.02.00.0	Find the volume of a right rectangular prism with fractional edge lengths by packing it with unit cubes of the appropriate unit fraction edge lengths, and show that the volume is the same as would be found by multiplying the edge lengths of the prism. Apply the formulas $V = l$ w h and $V = b$ h to find volumes of right rectangular prisms with fractional edge lengths in the context of solving real-world and mathematical problems.
MS6-MA-G.03.00.0	Draw polygons in the coordinate plane given coordinates for the vertices; use coordinates to find the length of a side joining points with the same first coordinate or the same second coordinate. Apply these techniques in the context of solving real-world and mathematical problems.
MS6-MA-G.04.00.0	Represent three-dimensional figures using nets made up of rectangles and triangles, and use the nets to find the surface area of these figures. Apply these techniques in the context of solving real-world and mathematical problems.
MS6-MA-NS.01.00*.0	Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions, e.g., by using visual fraction models and equations to represent the problem.
MS6-MA-NS.02.00*.0	Divide multi-digit numbers using the standard algorithm.
MS6-MA-NS.03.00*.0	Add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation.
MS6-MA-NS.04.00.0	Find the greatest common factor of two whole numbers less than or equal to 100 and the least common multiple of two whole numbers less than or equal to 12. Use the distributive property to express a sum of two whole numbers $1-100$ with a common factor as a multiple of a sum of two whole numbers with no common factor. (e.g., express $36 + 8$ as $4(9+2)$.
MS6-MA-NS.05.00*.0	Understand that positive and negative numbers are used together to describe quantities having opposite directions or values; use positive and negative numbers to represent quantities in real-world contexts, explaining the meaning of 0 in each situation.

Standard Code	Standards
MS6-MA-NS.06.00.0	Understand a rational number as a point on the number line. Extend number line diagrams and coordinate axes familiar from previous grades to represent points on the line and in the plane with negative number coordinates.
MS6-MA-NS.06.A.0	Recognize opposite signs of numbers as indicating locations on opposite sides of 0 on the number line; recognize that the opposite of the opposite of a number is the number itself, e.g., $\delta(63) = 3$, and that 0 is its own opposite.
MS6-MA-NS.06.B.0	Understand signs of numbers in ordered pairs as indicating locations in quadrants of the coordinate plane; recognize that when two ordered pairs differ only by signs, the locations of the points are related by reflections across one or both axes.
MS6-MA-NS.06.C.0	Find and position integers and other rational numbers on a horizontal or vertical number line diagram; find and position pairs of integers and other rational numbers on a coordinate plane.
MS6-MA-NS.07.00.0	Understand ordering and absolute value of rational numbers.
MS6-MA-NS.07.A.0	Interpret statements of inequality as statements about the relative position of two numbers on a number line diagram. For example, interpret 63 > 67 as a statement that 63 is located to the right of 67 on a number line oriented from left to right.
MS6-MA-NS.07.B.0	Write, interpret, and explain statements of order for rational numbers in real-world contexts. For example, write 63 oC > 67 oC to express the fact that 63 oC is warmer than 67 oC.
MS6-MA-NS.07.C.0	Understand the absolute value of a rational number as its distance from 0 on the number line; interpret absolute value as magnitude for a positive or negative quantity in a real-world situation. For example, for an account balance of 630 dollars, write $ 630 = 30$ to describe the size of the debt in dollars.
MS6-MA-NS.07.D.0	Distinguish comparisons of absolute value from statements about order. For example, recognize that an account balance less than 630 dollars represents a debt greater than 30 dollars.
MS6-MA-NS.08.00*.0	Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane. Include use of coordinates and absolute value to find distances between points with the same first coordinate or the same second coordinate.

Standard Code	Standards
MS6-MA-RP.01.00*.0	Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities.
MS6-MA-RP.02.00.0	"Understand the concept of a unit rate a/b associated with a ratio a:b with b≠0, and use rate language in the context of a ra⊡o relationship. For example, "This recipe has a ratio of 3 cups of flour to 4 cups of sugar, so there is 3/4 cup of flour for each cup of sugar." "We paid \$75 for 15 hamburgers, which is a rate of \$5 per hamburger."1"
MS6-MA-RP.03.00.0	Use ratio and rate reasoning to solve real-world and mathematical problems, e.g., by reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams, or equations.
MS6-MA-RP.03.A.0	Make tables of equivalent ratios relating quantities with wholenumber measurements, find missing values in the tables, and plot the pairs of values on the coordinate plane. Use tables to compare ratios.
MS6-MA-RP.03.B.0	Solve unit rate problems including those involving unit pricing and constant speed. For example, if it took 7 hours to mow 4 lawns, then at that rate, how many lawns could be mowed in 35 hours? At what rate were lawns being mowed?
MS6-MA-RP.03.C.0	Find a percent of a quantity as a rate per 100 (e.g., 30% of a quantity means 30/100 times the quantity); solve problems involving finding the whole, given a part and the percent.
MS6-MA-RP.03.D.0	Use ratio reasoning to convert measurement units; manipulate and transform units appropriately when multiplying or dividing quantities.
MS6-MA-SP.01.00.0	Recognize a statistical question as one that anticipates variability in the data related to the question and accounts for it in the answers. For example, "How old am I?" is not a statistical question, but "How old are the students in my school?" is a statistical question because one anticipates variability in students' ages.
MS6-MA-SP.02.00.0	Understand that a set of data collected to answer a statistical question has a distribution which can be described by its center, spread, and overall shape.
MS6-MA-SP.03.00.0	Recognize that a measure of center for a numerical data set summarizes all of its values with a single number, while a measure of variation describes how its values vary with a single number.
MS6-MA-SP.04.00.0	Display numerical data in plots on a number line, including dot plots, histograms, and box plots.
MS6-MA-SP.05.00.0	Summarize numerical data sets in relation to their context, such as by:
MS6-MA-SP.05.A.0	Reporting the number of observations.
MS6-MA-SP.05.B.0	Describing the nature of the attribute under investigation, including how it was measured and its units of measurement.

Standard Code	Standards
MS6-MA-SP.05.C.0	Giving quantitative measures of center (median and/or mean) and
	variability (interquartile range and/or mean absolute deviation), as
	well as describing any overall pattern and any striking deviations
	from the overall pattern with reference to the context in which the
	data were gathered.
MS6-MA-SP.05.D.0	Relating the choice of measures of center and variability to the
	shape of the data distribution and the context in which the data
	were gathered.