

I Can Statements – Math Grade 6

Quarter 1	Quarter 2
<p>Module 1: Ratios and Unit Rates</p> <ul style="list-style-type: none"> • I can understand the idea of a ratio and demonstrate its use. 6.RP.1 • I can recognize a ratio written as a unit rate. 6.RP.2 • I can explain a unit rate and give an example. 6.RP.2 • I can create and use tables of equivalent ratios. 6.RP.3 • I can plot pairs of values on the coordinate plane. 6.RP.3 • I can solve unit rate problems. 6.RP.3 • I can write a percent. 6.RP.3 • I can find the percent of a number. 6.RP.3 • I can find the whole when given both the part and the percent. 6.RP.3 • I can change measurement units appropriately when multiplying or dividing. 6.RP.3 	<p>Module 2: Arithmetic Operations Including Dividing by a Fraction</p> <ul style="list-style-type: none"> • I can use a visual model to show division of fraction by a fraction. 6.NS.1 • I can divide fractions by fractions and justify/ prove my answer with multiplication. 6.NS.1 • I can solve real world problems using fractions. 6.NS.1 • I can divide multi-digit numbers. 6.NS.2 • I can add and subtract multi-digit decimals. 6.NS.3 • I can multiply and divide multi-digit decimals. 6.NS.3 • I can find all factors of any number up to 100. 6.NS.4 • I can find the greatest common factor (GCF) of any two numbers up to 100. 6.NS.4 • I can create a list of multiples for any number $<$ or $=$ to 12. 6.NS.4 • I can find least common multiple (LCM) of two or more numbers up to 100. 6.NS.4 • I can use the distributive property to show the sum of two numbers. 6.NS.4 <p>Module 3: Rational Numbers</p> <ul style="list-style-type: none"> • I can recognize that $+$ and $-$ numbers have opposite values. 6.NS.5 • I can use $+$ and $-$ numbers along with zero to represent real world situations. 6.NS.5 • I can plot, show, and explain why every rational number can be represented by a point on a number line or coordinate plane. 6.NS.6 • I can identify the signs of any ordered pair in each of the quadrants. 6.NS.6 • I can compare two numbers on a number line based on their locations using an inequality symbol. 6.NS.7 • I can use absolute value to explain real world situations. 6.NS.7 • I can use inequalities to explain situations in the real world. 6.NS.7 • I can graph points in any quadrant of the coordinate plane to solve real world mathematical problems. 6.NS.8 • I can use absolute values to find the distance between two points with the same X or Y coordinates. 6.NS.8

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Quarter 3	Quarter 4
<p>Module 4: Expressions and Equations</p> <ul style="list-style-type: none"> • I can write and evaluate numerical expressions using exponents. 6.EE.1 • I can write an expression using variables. 6.EE.2 • I can identify parts of an expression using variables. 6.EE.2 • I can evaluate the expression. 6.EE.2 • I can use the Commutative, Distributive and Associative properties to write equivalent expressions. 6.EE.3 • I can write equivalent expressions. 6.EE.3 • I can recognize when two expressions are equal. 6.EE.4 • I can substitute a given value into an equation or inequality and determine if the equation or inequality is true. 6.EE.5 • I can solve expressions using variables to solve real world situations. 6.EE.6 • I can write and solve equations. 6.EE.7 • I can represent all possible solutions to an inequality on a number line. 6.EE.8 • I can analyze relationships between dependent and independent variables. 6.EE.9 <p>Module 5: Area, Surface Area, and Volume</p> <ul style="list-style-type: none"> • I can evaluate the expression. 6.EE.2 • I can substitute a given value into an equation or inequality and determine if the equation or inequality is true. 6.EE.5 • I can solve expressions using variables to solve real world situations. 6.EE.6 • I can write and solve equations. 6.EE.7 • I can find the area of a parallelogram. 6.G.1 • I can find the area of triangles. 6.G.1 • I can find the area of other polygons. 6.G.1 • I can solve real-world problems that involve finding the area of polygons. 6.G.1 • I can find the volume of a right rectangular prism. 6.G.2 • I can apply $V = lwh$ to a real-world problem. 6.G.2 • I can plot vertices in the coordinate plane to draw specific polygons. 6.G.3 • I can solve real world problems on the coordinate plane. 6.G.3 • I can match a net to the correct 3D shape. 6.G.4 • I can draw a net for a 3D shape. 6.G.4 • I can use a net to find the surface area of a 3D shape. 6.G.4 • I can find the surface area of a real-world problem. 6.G.4 	<p>Module 6: Statistics</p> <ul style="list-style-type: none"> • I can recognize a question where data can be collected. 6.SP.1 • I can predict variability in the data. 6.SP.1 • I can describe data by its center, spread and overall shape. 6.SP.2 • I describe a data set with a single measure of center. 6.SP.3 • I can recognize the measures of center by calculating the mean, median, and mode. 6.SP.3 • I can identify the range of the data. 6.SP.3 • I can define measures of variation for a data set. 6.SP.3 • I can organize and display data as a line plot or dot plot. 6.SP.4 • I can organize and display data in a histogram. 6.SP.4 • I can organize and display data in a box plot. 6.SP.4 • I can report the number of observations in a set of data. 6.SP.5 • I can write a data collection summary. 6.SP.5 • I can find measures of center using mean, median, and mode. 6.SP.5 • I can find measures of variation by finding the interquartile range and the mean absolute deviation. 6.SP.5 • I can find any overall patterns and differences of a set of data. 6.SP.5 • I can find a relationship between the measure of center and the measure of variations. 6.SP.5