

6th Grade I Can Statements

(Aligned to Common Core Math Standards)

Name: _____

6 - Number System Domain

- _____ I can compute and solve word problems involving division of fractions. (NS.1)
- _____ I can fluently divide multi-digit numbers using the standard algorithm. (NS.2)
- _____ I can fluently add multi-digit decimals using the standard algorithm for each operation. (NS.3)
- _____ I can fluently subtract multi-digit decimals using the standard algorithm for each operation. (NS.3)
- _____ I can fluently multiply multi-digit decimals using the standard algorithm for each operation. (NS.3)
- _____ I can fluently divide multi-digit decimals using the standard algorithm for each operation. (NS.3)
- _____ I can find the greatest common factor for numbers less than or equal to 100. (NS.4a)
- _____ I can find the least common multiple of two whole numbers less than or equal to 12. (NS.4b)
- _____ I can use the Distributive property to factor out the greatest common factor from an addition expression with two whole numbers. (NS.4c)
- _____ I can understand and use positive and negative numbers to represent quantities in real-world situations. (NS. 5)
- _____ I can name the opposites of numbers. (NS.6a)

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- _____ I can understand and plot pairs of positive and negative numbers on a coordinate plane, including reflections of those points. **(NS.6b)**
- _____ I can find and position integers on a number line and a coordinate plane **(NS.6c)**
- _____ I can find the position of numbers or variables on a number line when given an inequality **(NS.7a)**
- _____ I can write, interpret, and explain an inequality using integers in real-world situations (using a number line model). **(NS.7b)**
- _____ I understand absolute value as a distance from zero in real-world situations. **(NS.7c)**
- _____ I can compare absolute values of positives and negatives to determine which number is farther from zero. **(NS.7d)**
- _____ I can solve real-world and mathematical problems by graphing coordinate pairs on a on a 4 quadrant coordinate plane and use absolute value to find the distance between two points on the same X or Y axis. **(NS.8)**

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6 - Expressions and Equations Domain

- _____ I can write and evaluate expressions involving exponents. (EE.1)
- _____ I can write an expression with variables. (EE.2a)
- _____ I can identify the operations of an expression and explain that a quantity (parenthesis) is both a number by itself and two numbers with an operation. (EE.2b)
- _____ I can evaluate an expression/equation using order of operations when given the value of the variable. (EE.2c)
- _____ I can create an equivalent expression through the use of properties of operations such as the commutative, associative, distributive properties and factoring. (EE.3)
- _____ I can determine if two expressions are equivalent using the distributive property, factoring, or substitution. (EE.4)
- _____ I can explain if a value from a set makes an inequality or equation true/false. (EE.5)
- _____ I can write an expression or equation using a variable that helps me solve a real-world problem. (EE.6)
- _____ I can solve real-world and mathematical problems by evaluating an expression or equation when the variable is a positive rational number. (EE.7)
- _____ I can write an inequality about a real-world situation and recognize that it has infinite solutions. I can graph that inequality on a number line. (EE.8)
- _____ I can write an equation involving dependent and independent variables and evaluate that equation. (EE.9)

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6 - Ratios & Proportions Domain

- _____ I can use ratios to compare data. (RP.1)
- _____ I can identify unit rate. (RP.2)
- _____ I can create a table of equivalent ratios, find missing values, and then plot on a coordinate plane. (RP.3a)
- _____ I can solve unit rate problems. (RP.3b)
- _____ I can understand percent as a rate per 100 and solve problems involving finding the whole if given a part and the percent.
(ex: 3 carrots is 10% of what a rabbit eats in a day. How many carrots would the rabbit eat each day?) (RP.3c)
- _____ I can use ratios to convert or to change quantities to appropriate measurement units. (RP.3d)

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6 - Geometry Domain

- _____ I can find the area of triangles, quadrilaterals, and polygons by decomposing shapes to help me find the area in a real-world problem. **(G.1)**
- _____ I can find the volume of right rectangular prisms expressed as a proper or improper fraction in various real-world and mathematical situations. **(G.2)**
- _____ I can draw polygons on a coordinate plane and use the coordinates to find the lengths of the side(s) to help me solve real world problems. **(G.3)**
- _____ I can represent 3D shapes using nets and use the net to help find the surface area of the figure. **(G.4)**

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6 - Statistics and Probability Domain

- _____ I can write a statistical question that has more than one right answer. **(SP.1)**
- _____ I can describe a set of data using its center (mode, median, or mean), its spread (range or M.A.D.), and its shape. **(SP.2)**
- _____ I can describe a measure of center and a measure of variation for a data set. **(SP.3)**
- _____ I can display data on a number line, dot plot (line plot), histogram, and box and whisker plot. **(SP.4)**
- _____ I can tell how many items are in a data set. **(SP.5a)**
- _____ I can describe how data was collected and in what unit of measure. **(SP.5b)**
- _____ I can find the median, mean, interquartile range, mean absolute deviation (average distance from the mean), and outliers in a set of data. **(SP.5c)**
- _____ I can choose the measure of center that best describes the data based on the context in which it was gathered. **(SP.5d)**