Elmer Wood

Sixth Grade Math "I Can" Statements for California's Common Core Standards
Shaded standards represent major *focus areas.*

Ratios and Proportional Relationships	
6.RP.1	
I can use ratios to compare data.	
6.RP.2	
I can understand how to find a rate when given a specific ratio.	
6.RP.3	
I can solve word problems related to ratios in order to figure out the rate.	
6.RP.3.a	
I can make tables of equivalent ratios, find missing values in the tables, plot those values on a coordinate plane, and use the tables to compare ratios.	
6.RP.3.b	
I can solve unit rate problems.	
6.RP.3.c	
I can solve problems involving finding the whole if I am given a part and the percent.	
6.RP.3.d	
I can use what I know about ratios to convert units of measurement.	
The Number System	
6.NS.1	
I can compute and solve word problems involving division of fractions.	
6.NS.2	
I can fluently divide multi-digit numbers.	
6.NS.3	
I can fluently add multi-digit decimals.	
I can fluently subtract multi-digit decimals.	
I can fluently multiply multi-digit decimals.	
I can fluently divide multi-digit decimals.	
6.NS.4	
I can find the greatest common factor of two whole numbers less than or equal to 100.	

I can find the least common multiple of two whole numbers less than or equal to 12.	
I can use the Distributive property to factor out the greatest common factor from an addition expression with two whole numbers.	
6.NS.5	
I can understand and use positive and negative numbers to represent quantities in real-world situations.	
6.NS.6	
I can understand that a rational number is a point on a number line.	
I can extend number line diagrams to show positive and negative numbers on the line and in the plane.	
6.NS.6.a	
I can recognize opposite signs of numbers as indicating places on opposite sides of 0 on the number line.	
6.NS.6.b	
I can understand signs of numbers in ordered pairs as indicating locations in quadrants of the coordinate plane.	
6.NS.6.c	
I can place integers and other numbers on a number line diagram.	
I can place ordered pairs on a coordinate plane.	
6.NS.7	
I can order positive and negative numbers.	
I can understand absolute value of rational numbers.	
6.NS.7.a	
I can understand the distance between two numbers (positive or negative) on a number line.	
6.NS.7.b	
I can write, understand, and explain what rational numbers mean in real-world situations.	
6.NS.7.c	
I can understand the absolute value as the number's distance from 0 on the number line.	
I can understand absolute values as they apply to real-world situations.	
6.NS.7.d	
I can compare absolute values of positives and negatives to determine which number is farther from zero.	
6.NS.8	
I can graph in all four quadrants of the coordinate plane to help me solve real-world and mathematical problems.	
I can determine the distance between points in the same first coordinate or the same second coordinate.	

Expressions and Equations	
6.EE.1	
I can write and understand numerical expressions involving whole number exponents.	
6.EE.2	
I can write, read, and figure out expressions in which letters stand for numbers.	
6.EE.2.a	
I can write expressions using numbers and letters (with the letters standing for numbers.)	
6.EE.2.b	
I can understand that in looking at 2(8 + 7) you can see the 8 + 7 as two separate numbers or as 15.	
I can identify the parts of an expression using mathematical words, such as *sum, term, product, factor, quotient,* etc.	
6.EE.2.c	
I can evaluate an expression/equation using order of operations when given the value of the variable.	
6.EE.3	
I can create an equivalent expression through the use of properties of operations such as the commutative, associative, and distributive properties and factoring.	
6.EE.4	
I can determine if two expressions are equivalent using the distributive property, factoring, or substitution.	
6.EE.5	
I can explain if a value from a set makes an inequality or equation true or false.	
6.EE.6	
I write an expression or equation using a variable that helps me solve a real-world problem.	
6.EE.7	
I can solve real-world and mathematical problems by evaluating an expression or equation when the variable is a positive rational number.	
6.EE.8	
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.	
6.EE.9	
I can write an equation involving dependent and independent variables and evaluate that equation.	
Geometry	
6.G.1	

I can find the area of triangles, quadrilaterals, and polygons by decomposing shapes to help me find the area in a real-world problem.	
6.G.2	
I can find the volume of right rectangular prisms expressed as a proper or improper fraction in various real-world and mathematical situations.	
6.G.3	
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.	
6.G.4	
I can represent 3D shapes using nets and use the net to help find the surface area of the figure. (A net is the pattern made when the surface of a 3-D figure is laid out flat.)	
Statistics and Probability	
6. SP.1	
I can write a statistical question that has more than one right answer.	
6.SP.2	
I can describe a set of data using its center (mode, median, or mean), its spread, and its shape.	
6.SP.3	
I can describe a measure of center and a measure of variation for a data set.	
6.SP.4	
I can display data on a number line, dot plot (line plot), histogram, and box plots.	
6.SP.5.a	
I can tell how many items are in a data set.	
6.SP.5.b	
I can tell how data was collected and in what unit of measure.	
6.SP.5.c	
I can find the median, mean, interquartile range, mean absolute deviation (average distance from the mean), and outliers in a set of data.	
6.SP.5.d	
I can choose the measure of center that best describes the data based on the context in which it was gathered.	