




Accelerated 7th Grade Learning Targets

Unit 1 The Number System				
1	I can add, subtract, multiply and divide integers.			
2	I can apply addition and subtraction of rational numbers to real world problems.			
3	I can apply multiplication and division of rational numbers to real world problems.			
4	I can convert a fraction to a decimal using long division.			
5	I can describe situations in which opposite quantities combine to make zero.			
6	I can explain that all rational numbers can terminate or repeat.			
7	I can find the absolute value of a given number.			
8	I can describe that the absolute value of a number is its distance from zero.			
9	I can apply properties with adding, subtracting, multiplying, and dividing to rational numbers.			
10	I can explain why any integer can be divided by any given number except zero.			
11	I can solve real world problems with adding, subtracting, multiplying, and dividing.			
12	I can identify a number as rational or irrational.			
13	I can covert decimals to fractions, and fractions to decimals.			
14	I can estimate square roots that do not have whole number answers and place them on a number line.			

15	I can evaluate positive and negative square roots.			
16	I can evaluate positive and negative cube roots.			
17	I understand that every number has two square roots, but when the radical sign is used the answer is only the positive square root.			
18	I know that the square root of 2 is an irrational number.			
19	I can use scientific notation to represent large and small quantities.			
20	I can compare and determine how many times bigger or smaller a number is by using scientific notation.			
21	I can calculate the answer to a scientific notation problem involving addition, subtraction, division, and multiplication including numbers in decimal form.			
22	I can choose units of appropriate size for very large or small quantities <i>Example: use millimeters per year for seafloor spreading</i>			
23	I can interpret scientific notation that has been generated by technology. <i>Example: $5E7$ means 5 times 10 to the seventh power.</i>			
24	I can calculate the mean of a data set.			
25	I can calculate the median of a data set.			
26	I can calculate the mode of a data set.			
27	I can determine the range of a data set.			
28	I can determine the data contains an outlier or multiple outliers.			
29	I can determine the best measure of central tendency.			