	Grade 6 Math Guaranteed/Viable Curriculum	Proficiency Timeline
6.4	Interpret and compute quotients of fractions using visual models and equations to represent problems. a. Use quotients of fractions to analyze and solve problems.	1st 9 Weeks
6.5	Fluently divide multi-digit whole numbers using a standard algorithm to solve real-world and mathematical problems.	
6.6	Add, subtract, multiply, and divide decimals using a standard algorithm.	
6.8	Find the greatest common factor (GCF) and least common multiple (LCM) of two or more whole numbers. a. Use factors and multiples to determine prime factorization.	
6.10	Locate integers and other rational numbers on a horizontal or vertical line diagram. a. Define opposites as numbers located on opposite sides of 0 and the same distance from 0 on a number line. b. Use rational numbers in real-world and mathematical situations, explaining the meaning of 0 in each situation.	2nd 9 Weeks
6.11	Find the position of pairs of integers and other rational numbers on the coordinate plane. a. Identify quadrant locations of ordered pairs on the coordinate plane based on the signs of the x and y coordinates. b. Identify (a,b) and (a,-b) as reflections across the x-axis. c. Identify (a,b) and (-a,b) as reflections across the y-axis. d. Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane, including finding distances between points with the same first or second coordinate.	
6.12	Explain the meaning of absolute value and determine the absolute value of rational numbers in real-world contexts.	
6.14	Write, evaluate, and compare expressions involving whole number exponents.	3rd 9 Weeks
6.19	Write and solve an equation in the form of $x+p=q$ or $px=q$ for cases in which p, q, and x are all non-negative rational numbers to solve real-world and mathematical problems. a. Interpret the solution of an equation in the context of the problem.	
6.2	Use unit rates to represent and describe ratio relationships.	
6.23	Calculate, interpret, and compare measures of center (mean, median, mode) and variability (range and interquartile range) in real-world data sets. a. Determine which measure of center best represents a real-world data set. b. Interpret the measures of center and variability in the context of a problem.	4th 9 Weeks
6.24	Represent numerical data graphically, using dot plots, line plots, histograms, stem and leaf plots, and box plots. a. Analyze the graphical representation of data by describing the center, spread, shape (including approximately symmetric or skewed), and unusual features (including gaps, peaks, clusters, and extreme values). b. Use graphical representations of real-world data to describe the context from which they were collected.	
6.26	Calculate the area of triangles, special quadrilaterals, and other polygons by composing and decomposing them into known shapes. a. Apply the techniques of composing and decomposing polygons to find area in the context of solving real-world and mathematical problems.	