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6th Grade: Pre-Algebra Survey Pacing Guide 18-19

4.0 TARGET	3.0 TARGET	2.0 TARGET	Pacing & Unit Dates
Unit 1: Ratios			
Use a ratio table, graph, or equation to predict real-world values.	7.RP.2 - Use a ratio table or graph in a real-world context to write the equation that describes the line.	Interpret the relationship shown by a given point on a graph.	32 days Unit Dates: August 15 - October 10 Benchmark Dates: October 3 - 10 Trimester #1
Use proportional reasoning to solve multi-step problems. (eg mpg, then finding how much gas used/distance on tank of gas).	7.RP.3 - Use proportional reasoning to solve real-world problems, including those with unit rates.	Use proportional reasoning to solve for a missing value.	
Solve an applied percent problem.	6.RP.3c - Solve real-world problems with percents.	Solve a percent equivalency problem.	
Unit 2: Rational Numbers			
Add and subtract rational numbers in different forms (e.g. sum of fraction and decimal).	7.NS.1 - Add and subtract rational numbers.	Add and subtract integers.	40 days Unit Dates: November 1 - January 23 Benchmark Dates: January 16 - 23 Trimester #2
Multiply and divide rational numbers in different forms (e.g. product of fraction and decimal).	7.NS.2 - Multiply and divide rational numbers.	Multiply and divide integers.	
Evaluate order of operations problems with rational numbers involving numbers in different forms (e.g. fractions and decimals in the same problem).	6.EE.1 - Evaluate order of operations problems with rational numbers involving whole number exponents.	Evaluate order of operations problems involving whole number exponents.	
Does Not Extend	6.LT.0 - Demonstrate the ability to retain content knowledge over time.	Demonstrate ability to partially retain content knowledge over time.	5 days (Long Division):
Unit 3: Expressions			
Solve for missing values in a problem involving two equivalent expressions.	7.EE.1 - Apply properties of operations to generate equivalent expressions, including those with rational numbers.	Apply properties of operations to generate equivalent expressions with integers.	25 days Unit Dates: January 24 - February 27 Benchmark Dates: February 20 - 27 Trimester #3
Solve for a missing value in an expression in which letters stand for numbers.	6.EE.2 - Write expressions in which letters stand for numbers.	Evaluate expressions in which letters stand for numbers. (Substitution)	
Does Not Extend	6.LT.0 - Demonstrate the ability to retain content knowledge over time.	Demonstrate ability to partially retain content knowledge over time.	
Unit 4: Equations			
Solve complex equations. (Rational numbers in different forms, both sides, etc)	6.EE.7 - Write and solve one-step equations in a real-world context with rational numbers. (LESS)	Solve one-step equations with whole numbers.	30 days Unit Dates: February 28 - May 3 Benchmark Dates: April 29 - May 3 Trimester #3
Solve complex equations. (Rational numbers in different forms, both sides, etc)	7.EE.3 Write and solve two-step equations in a real-world context with rational numbers. (LESS)	Solve two-step equations with whole numbers.	
Write and solve a one-step inequality.	6.EE.8 - Write an inequality of the form $x > c$ or $x < c$ to represent a constraint in real-world context (using $<$, $>$, \leq , \geq).	Write an inequality from a representation on a number line.	
Write and apply a two-step, two-variable equation.	6.EE.9 - Write and apply a one-step, two-variable equation.	Identify the independent variable and dependent variable in a real-world problem.	
Does Not Extend	6.LT.0 - Demonstrate the ability to retain content knowledge over time.	Demonstrate ability to partially retain content knowledge over time.	
Unit 5: Geometry			
Solve complex problems requiring decomposition and composition.	6.G.4 - Find the surface area or volume of 3D shapes composed of rectangles and/or triangles.	Find the area or perimeter of 2D shapes.	15 days Unit Dates: May 6 - May 31 Benchmark Dates: May 16 - May 31 Trimester #3
Does Not Extend	6.LT.0 - Demonstrate the ability to retain content knowledge over time.	Demonstrate ability to partially retain content knowledge over time.	