

Gr 8	Quarter 1	Quarter 2	Quarter 3	Quarter 4
	<p>Solving Algebraic Equations</p> <ul style="list-style-type: none"> Solving 1-step equations (6.EE.5, 6.EE.6, 8.EE.7) Solving multi-step equations (8.EE.7) <p>Functions & Linear Relationships</p> <ul style="list-style-type: none"> Recognize a function from a table and a graph (8.EE.6) Find slope from a table, graph or given two points ((8.EE.5, 8.EE.6 (similar triangles), 8.F.2)) Write a linear equation from a table, graph or situations (8.EE.6) Match a story to a graph (8.F.5) 	<p>Exponential Expressions</p> <ul style="list-style-type: none"> Evaluate an exponential expression (8.EE.1) Evaluate the products, powers and quotients of exponential expressions (8.EE.1) Express values in scientific notation (8.EE.1) Operations in scientific notation (8.EE.1) <p>Looking for Pythagoras</p> <ul style="list-style-type: none"> Find the area of an enclosed irregular figure (7.G.6) Identify rational and irrational numbers (8.NS.1) Apply the Pythagorean Theorem to missing lengths; which three lengths make a right triangle (8.G.6, 8.G.7, 8.G.8) 	<p>Symmetry and Transformations</p> <ul style="list-style-type: none"> Recognize the three types of symmetry within an object and identify the important measurements and attributes of each (8.G.1) Perform translations on the coordinate plane, leading to congruent figures (8.G.3) Perform rotations on the coordinate plane, leading to congruent figures (8.G.3) Perform reflections on the coordinate plane, leading to congruent figures (8.G.3) Perform dilations on the coordinate plane, leading to similar figures (8.G.3) Given two similar figures describe the series of transformations that moves one figure to the other (8.G.4) <p>Systems of Equations</p> <ul style="list-style-type: none"> Solve a system of equations graphically (8.EE.8) Recognize when a system will have 0, 1, or many solutions (8.EE.8) Solve a system of equations with substitution (8.EE.8) Solve a system of equations with elimination (8.EE.8) 	<p>Statistics</p> <ul style="list-style-type: none"> Create models to determine probability (7.SP.5, 7.SP.6, 7.SP.7, 7.SP.8) Find the probability of compound events using probability models (7.SP.8) Understand that patterns of association can also be seen in bivariate categorical data by displaying frequencies and relative frequencies in a two-way table (8.SP.4)
	<p>Required Fluencies:</p> <ul style="list-style-type: none"> Solve systems of two linear equations in two variables algebraically, and estimate solutions by graphing the equations. Solve simple cases by inspection. For example, $3x + 2y = 5$ and $3x + 2y = 6$ have no solution because $3x + 2y$ cannot simultaneously be 5 and 6. (8.EE.8b) 	<p>Required Fluencies:</p> <ul style="list-style-type: none"> Solve systems of two linear equations in two variables algebraically, and estimate solutions by graphing the equations. Solve simple cases by inspection. For example, $3x + 2y = 5$ and $3x + 2y = 6$ have no solution because $3x + 2y$ cannot simultaneously be 5 and 6. (8.EE.8b) 	<p>Required Fluencies:</p> <ul style="list-style-type: none"> Solve systems of two linear equations in two variables algebraically, and estimate solutions by graphing the equations. Solve simple cases by inspection. For example, $3x + 2y = 5$ and $3x + 2y = 6$ have no solution because $3x + 2y$ cannot simultaneously be 5 and 6. (8.EE.8b) 	<p>Required Fluencies:</p> <ul style="list-style-type: none"> Solve systems of two linear equations in two variables algebraically, & estimate solutions by graphing the equations. Solve simple cases by inspection. For example, $3x + 2y = 5$ and $3x + 2y = 6$ have no solution because $3x + 2y$ cannot simultaneously be 5 and 6. (8.EE.8b)
	<p>Proficiencies – Quarter 1</p> <ul style="list-style-type: none"> Problem Solve Model and Use Tools Construct Viable Arguments Expressions and Equations Functions 	<p>Proficiencies – Quarter 2</p> <ul style="list-style-type: none"> Problem Solve Model and Use Tools Construct Viable Arguments Expressions and Equations The Number System Geometry 	<p>Proficiencies – Quarter 3</p> <ul style="list-style-type: none"> Problem Solve Model and Use Tools Construct Viable Arguments Expressions and Equations Geometry 	<p>Proficiencies – Quarter 4</p> <ul style="list-style-type: none"> Problem Solve Model and Use Tools Construct Viable Arguments Statistics and Probability