

Major Work of the Grade

Eighth Grade	
Major Clusters	Supporting/Additional Clusters
<p>Expressions and Equations</p> <ul style="list-style-type: none">• Work with radicals and integer exponents.• Understand the connections between proportional relationships, lines, and linear equations.• Analyze and solve linear equations and pairs of simultaneous linear equations. <p>Functions</p> <ul style="list-style-type: none">• Define, evaluate, and compare functions.• Use functions to model relationships between quantities. <p>Geometry</p> <ul style="list-style-type: none">• Understand congruence and similarity using physical models, transparencies, or geometry software.• Understand and apply the Pythagorean Theorem.• Solve real-world and mathematical problems involving volume of cylinders, cones and spheres.	<p>The Number System</p> <ul style="list-style-type: none">• Know that there are numbers that are not rational, and approximate them by rational numbers. <p>Statistics and Probability</p> <ul style="list-style-type: none">• Investigate patterns of association in bivariate data.