

Grade 7

Major	Supporting	Additional
<p>Ratios and Proportional Relationships</p> <ul style="list-style-type: none"> ■ Analyze proportional relationships and use them to solve real-world and mathematical problems. <p>The Number System</p> <ul style="list-style-type: none"> ■ Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers. <p>Expressions and Equations</p> <ul style="list-style-type: none"> ■ Use properties of operations to generate equivalent expressions. ■ Solve real-life and mathematical problems using numerical and algebraic expressions and equations. 	<p>Statistics and Probability</p> <ul style="list-style-type: none"> □ Use random sampling to draw inferences about a population.⁸ □ Investigate chance processes and develop, use, and evaluate probability models.⁹ 	<p>Statistics and Probability</p> <ul style="list-style-type: none"> ○ Draw informal comparative inferences about two populations. <p>Geometry</p> <ul style="list-style-type: none"> ○ Solve real-life and mathematical problems involving angle measure, area, surface area, and volume. ○ Draw, construct and describe geometrical figures and describe the relationships between them.

Depth Opportunities:

RP 2; NS 3; EE 3, 4; G 6

⁸ The standards in this cluster represent opportunities to apply percentages and proportional reasoning. In order to make inferences about a population, one needs to apply such reasoning to the sample and the entire population.

⁹ Probability models draw on proportional reasoning and should be connected to the major work in those standards.