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| Quarter 1  The Number System &  Expressions and Equations  **CC.2.1.8. E.1: Distinguish between rational and irrational numbers using their properties.**  **CC.2.1.8.E.4: Estimate irrational numbers by comparing them to rational numbers.**  **CC.2.2.8.B.1:Apply concepts of radicals and integer exponents to generate equivalent expressions.**  **CC.2.2.8.B.2: Understand the connections between proportional relationships, lines and linear equations.** | Quarter 2  Functions  **CC.2.2.8.B.3: Analyze and solve linear equations and pairs of simultaneous linear equations.**  **CC.2.2.8.C.1: Define, evaluate, and compare functions.**  **CC.2.2.8.C.2: Use concepts of functions to model relationships between quantities.** |
| Quarter 3  Geometry  **CC.2.3.8.A.1: Apply the concepts of volume of cylinders, cones and spheres to solve real-world and mathematical problems.**  **CC.2.3.8.A.2: Understand and apply congruence, similarity, and geometric transformations using various tools.**  **CC.2.3.8.A.3: Understand and apply the Pythagorean Theorem to solve problems.** | Quarter 4  Statistics and Probability  **CC.2.4.8.B.1: Analyze and/or interpret bivariate data displayed in multiple representations.**  **CC.2.4.8.B.2: Understand that patterns of association can be seen in bivariate data utilizing frequencies.** |