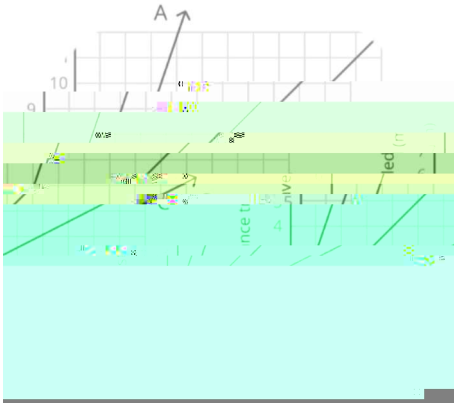


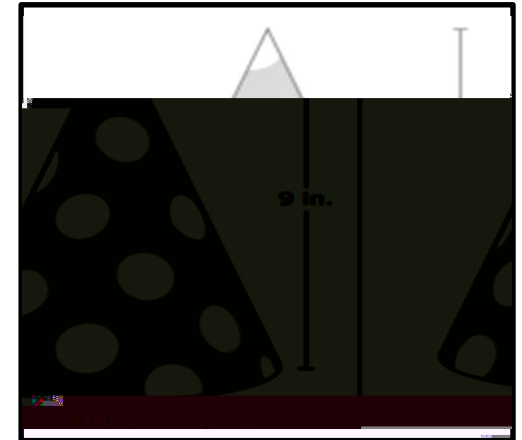
7th Grade Advanced Math Parent Guide



In this unit students find lateral and total surface area along with volume. They will learn about parallel lines cut by transversals and will write algebraic representations of transformations on a coordinate grid. They will use the Pythagorean Theorem and its converse to solve problems.

Students will see that lines and their corresponding angles create unique characteristics that formulas can be used to solve problems involving surface area and volume. They will apply the Pythagorean Theorem as well as the note effects of transformations on 2D figures and investigate how scale factor changes proportionality.

- Measurement is used in daily life and knowing how to find volume, surface area, common angles and how things transform on a coordinate plane will be very useful in the future.



Students will explore bivariate data to determine strength & significance of relationships between quantities and use scatter plots to analyze and make predictions about that data.

