



Geometry

Students learn to analyze characteristics and properties of geometric shapes and use visualization, spatial reasoning, and geometric modeling to solve problems.

- ◆ Identify, compare, classify and analyze attributes of two- and three-dimensional shapes and develop vocabulary to describe the attributes
- ◆ Investigate, describe, and analyze the results of subdividing, combining, and transforming shapes
- ◆ Explore congruence, similarity and symmetry
- ◆ Describe location and movement using common language and geometric vocabulary
- ◆ Find the distance between points along horizontal and vertical lines of a coordinate system
- ◆ Predict and describe the results of sliding, flipping, and turning two-dimensional shapes
- ◆ Identify and describe a three-dimensional object from two-dimensional representations of that object and vice versa
- ◆ Use geometric models to solve problems in other areas of mathematics, such as number and measurement