

Achievements and Competencies

Learning Outcomes

Grades 5-6
Geometric Properties
Geometry and Spatial Sense
Measurement Relationships

Achievements and Competencies are based on the Canadian Provincial Math curriculums.

Specific Expectations

Grade 5

Geometric Properties

Distinguish among polygons, regular polygons, and other two-dimensional shapes.

In this activity students learn how to cut out any polygonal shape using only one straight cut. The students are then able to determine what a polygon is.

Geometry and Spatial Sense

Create and analyse designs by translating and/or reflecting a shape, or shapes, using a variety of tools.

In this activity students must use lines of symmetry to determine how to fold the piece of paper properly to be able to cut out any polygon using one straight cut. Students also determine which letters have lines of symmetry.

Grade 6

Measurement Relationships

Determine, through investigation, using a variety of tools (e.g., pattern blocks, Power Polygons, dynamic geometry software, grid paper) and strategies (e.g., paper folding, cutting, and rearranging), the relationship between the area of a rectangle and the areas of parallelograms and triangles, by decomposing.

Using paper folding students will investigate how the areas of parallelograms and triangles are related.