



Achievements and Competencies

Learning Outcomes

Grades 7-8
Geometric Properties
Geometric Relationships

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

Specific Expectations

Grade 7

Geometry and Spatial sense

Geometric Properties

Construct angle bisectors and perpendicular bisectors, using a variety of tools and strategies (e.g., paper folding).

In this activity students need to explain how bisecting angles help to align the shapes on top of each other. The students determine that the angle is halved when the angle is bisected. The lines of the shape are equidistant from bisecting line, and thus if a shape is folded along the bisecting line, the shape lines will overlap.

Grade 8

Geometric Relationships

Determine, through investigation using a variety of tools and strategies (e.g., paper folding), the angle relationships for intersecting lines and for parallel lines.

Throughout this activity students fold paper along lines which are parallel and perpendicular to the shape lines. The students should then observe that parallel line will never cross each other and perpendicular lines cross at an angle of 90 degrees.