# Activity 4 Assessment
Transforming Shapes

Investigating Geometric Properties of 2-D Shapes

Uses geometric properties to compare and sort shapes	Sorts and classifies shapes in more than one way using geometric properties	Investigates the relationships between the sides and between the vertices of a polygon	Notices that geometric properties of a polygon do not change after a transformation
Is a pentagon Has a right angle	Is a regular polygon Has opposite sides equal		
"I need a shape with 5 sides and at least one right angle to go in the overlap."	"The sorting rule could also be 'Is a regular polygon and has opposite sides equal.'"	"A rectangle has 2 pairs of parallel sides. The connected sides are perpendicular, so it has four 90° angles. It is an irregular polygon."	"After a rotation, the image faces a different way but still has 4 equal sides and opposite angles equal."
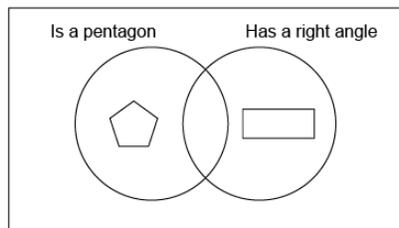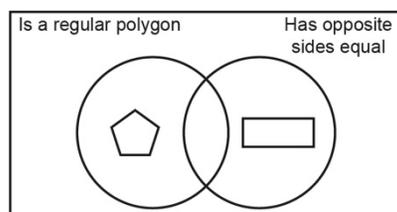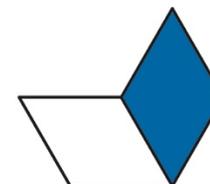
Observations/Documentation