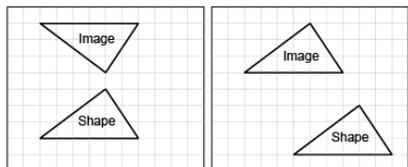**Geometry**

Activity 10 Assessment
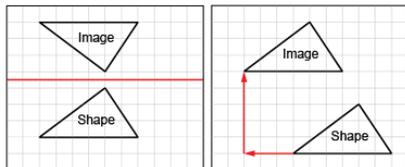## Identifying Transformations

Applying and Visualizing Translations and Reflections

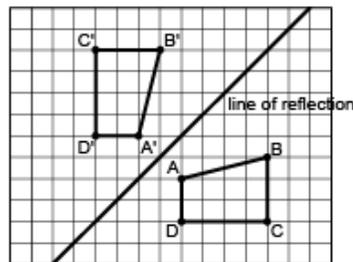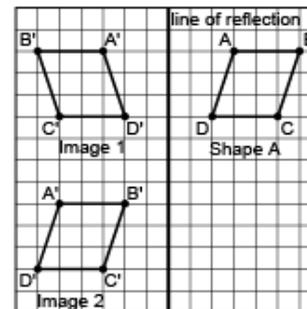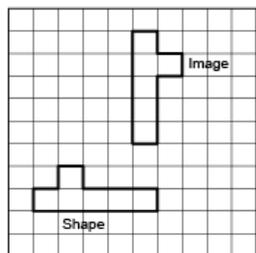| Identifies translations and reflections of 2-D shapes on a grid.	Identifies the translation/reflection used to move a shape and line of reflection.	Describes and performs translations and reflections on a grid using labelled vertices.	Visualizes and predicts where image of a shape will be after a translation/reflection.
"The first image shows a reflection and the second image shows a translation."	"The first shape was reflected in a horizontal line midway between the shape and its image. The second shape was translated left 3 squares and up 5 squares."	"I labelled matching vertices with the same letter. The vertices of the image have prime symbols."	"I can picture Shape A's reflection Image 1 on the other side of the line, with matching vertices the same distance from the line of reflection. I can picture moving Shape A left 8 squares and down 7 squares to Image 2."

Observations/Documentation

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Applying and Visualizing Rotations on a Grid

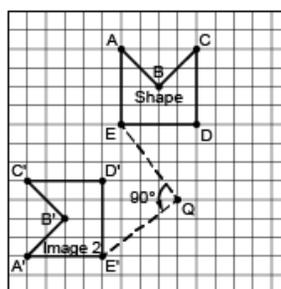| Identifies rotated 2-D shapes on a grid.	Identifies the rotation used to move a shape and the point of rotation.	Describes and performs rotations with angles up to 180°.	Visualizes, predicts, and describes where the image of a shape will be after a rotation.
"I know the shape was rotated because the shape and its image are congruent, but the orientation is different."	"The shape was rotated 180° about the common vertex P."	"I used tracing paper to rotate the shape 90° counterclockwise about Point Q. I labelled matching vertices with the same letter. The vertices of the image have prime symbols."	"I can picture rotating the shape in my mind. The image would face the opposite way and share Vertex P with the shape."
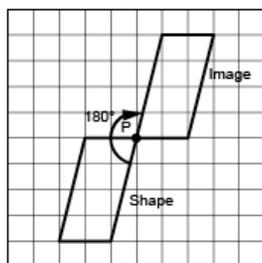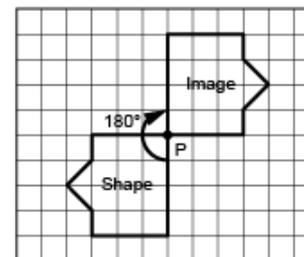
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