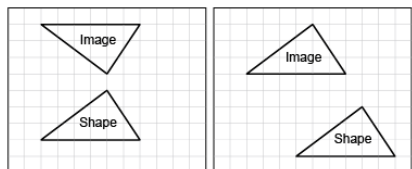


Activity 10 Assessment

Identifying Transformations

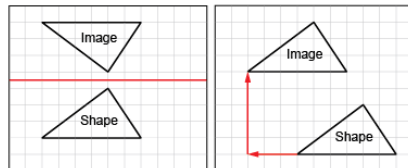
Applying and Visualizing Translations and Reflections

Identifies translations and reflections of 2-D shapes on a grid.



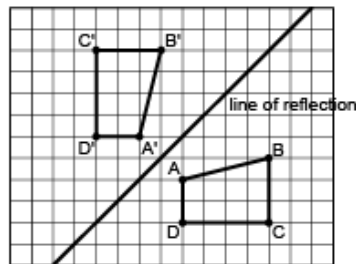
“The first image shows a reflection and the second image shows a translation.”

Identifies the translation/reflection used to move a shape and line of reflection.



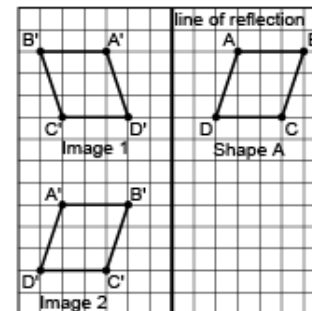
“The first shape was reflected in a horizontal line midway between the shape and its image. The second shape was translated left 3 squares and up 5 squares.”

Describes and performs translations and reflections on a grid using labelled vertices.



“I labelled matching vertices with the same letter. The vertices of the image have prime symbols.”

Visualizes and predicts where image of a shape will be after a translation/reflection.



“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.”

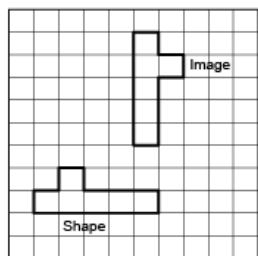
Observations/Documentation

Activity 10 Assessment

Identifying Transformations

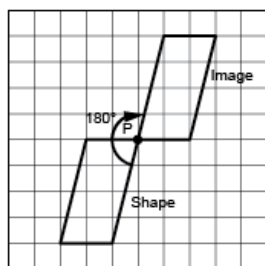
Applying and Visualizing Rotations on a Grid

Identifies rotated 2-D shapes on a grid.



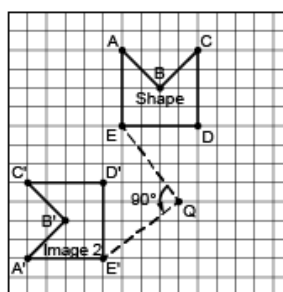
"I know the shape was rotated because the shape and its image are congruent, but the orientation is different."

Identifies the rotation used to move a shape and the point of rotation.



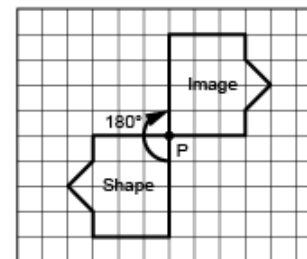
"The shape was rotated 180° about the common vertex P."

Describes and performs rotations with angles up to 180° .



"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."

Visualizes, predicts, and describes where the image of a shape will be after a rotation.



"I can picture rotating the shape in my mind. The image would face the opposite way and share Vertex P with the shape."

Observations/Documentation