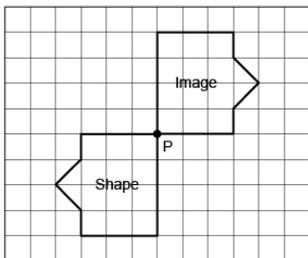


# Activity 7 Assessment

## Investigating Rotations

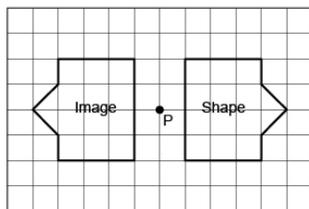
### Applying and Visualizing Rotations on a Grid

Identifies rotated 2-D shapes on a grid with a point of rotation on the shape.



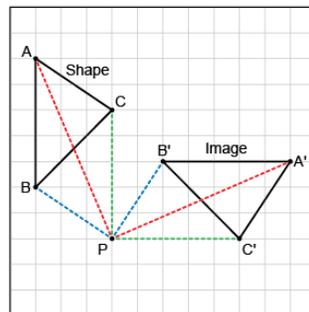
"This grid shows a rotation of a  $\frac{1}{2}$  turn about vertex P."

Identifies rotated 2-D shapes on a grid with a point of rotation outside the shape.



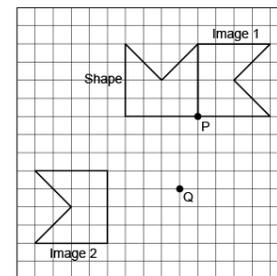
"The shape has been rotated a  $\frac{1}{2}$  turn around the point of rotation P, located outside the shape."

Describes and performs rotations/turns, both clockwise and counterclockwise.



"The shape was rotated by a  $\frac{3}{4}$  turn counterclockwise about P. The matching vertices on the shape and its image are the same distance from the point of rotation."

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



"I visualized and predicted where the images of the pentagon would be after a rotation of a  $\frac{1}{4}$  turn clockwise about P (on the shape) and after a rotation of a  $\frac{1}{4}$  turn counterclockwise about Q (off the shape). I rotated the shape to check. I know each image is correct because corresponding points are the same distance from the point of rotation."

### Observations/Documentation