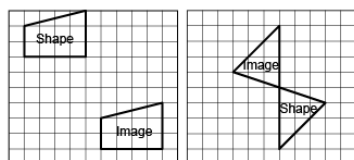# Activity 8 Assessment
Identifying Transformations
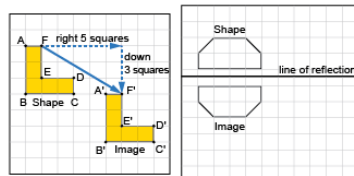
Applying and Visualizing Translations and Reflections

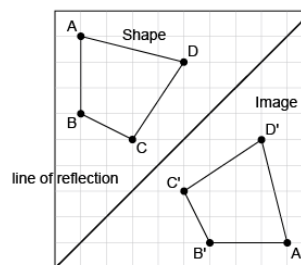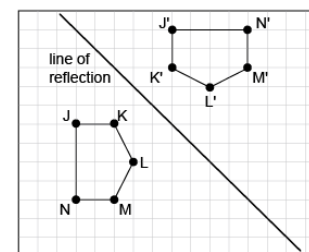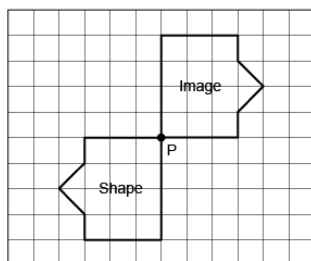| Identifies translations and reflections of 2-D shapes on a grid.	Identifies the translation/reflection used to move a shape and the line of reflection.	Describes and performs translations and reflections on a grid using labelled vertices.	Visualizes, predicts, and describes image of a shape after a translation or reflection.
"The first image shows a translation, and the second grid shows a reflection."	"The shape has been translated 5 squares right and down 3 squares. The hexagon was reflected because the shape and the image are the same distance from the line of reflection."	"The image is a reflection of the shape because matching vertices on the shape and its image are the same distance from the line of reflection. The vertices on the image are labelled in the opposite direction."	"The hexagons are congruent and matching vertices are the same distance from the line of reflection. The line of reflection is the diagonal line halfway between the two hexagons."

Observations/Documentation

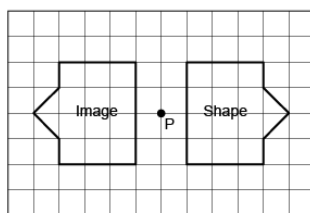|			

Activity 8 Assessment
Identifying Transformations

Applying and Visualizing Rotations on a Grid (cont'd)

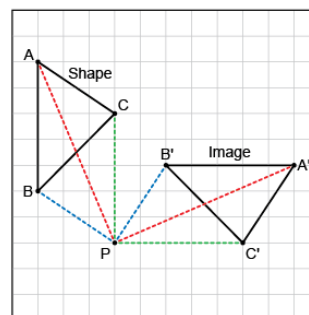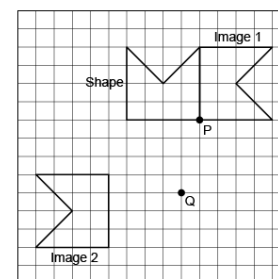| Identifies rotated 2-D shapes on a grid with a point of rotation on the shape.	Identifies rotated 2-D shapes on a grid with a point of rotation outside the shape.	Describes and performs rotations/turns, both clockwise and counterclockwise.	Visualizes, predicts, and describes where the image of a shape will be after a rotation.
"This grid shows a rotation of a $\frac{1}{2}$ tun about vertex P."	"The shape has been rotated a $\frac{1}{2}$ turn around the point of rotation P, located outside the shape."	"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."	"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

Mathology 5
Copyright © 2022 Pearson Canada Inc.

The right to reproduce or modify this page is restricted to purchasing schools.
This page may have been modified from its original.