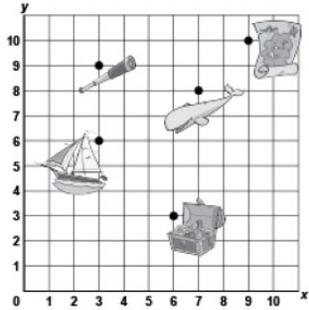


Activity 8 Assessment

Grids and Transformations Consolidation

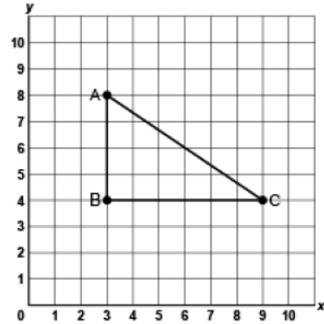
Locating and Plotting Points in First Quadrant of Cartesian Plane

Uses coordinates to describe the location of points on a grid.



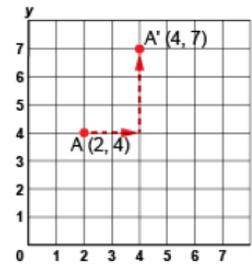
“The treasure chest is located at (6, 3).”

Plots, locates, and labels points on a grid to make 2-D shapes.



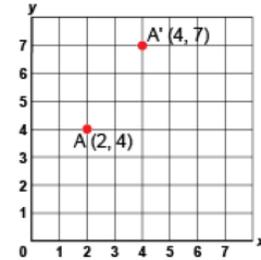
“I plotted A(3,8), B(3,4) and C(9,4) to create a right triangle.”

Translates a point and identifies coordinates of its image.



“I moved Point A right 2 squares, then up 3 squares. The image of Point A after the translation is A'(4, 7).”

Flexibly predicts the location and coordinates of a point after a translation.



“The translation was right 2 squares and up 3 squares. So, I added 2 to the x-coordinate and 3 to the y-coordinate:
 $(2 + 2, 4 + 3) \rightarrow A'(4, 7)$.”

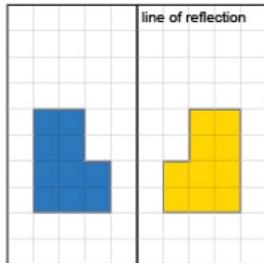
Observations/Documentation

Activity 8 Assessment

Grids and Transformations Consolidation

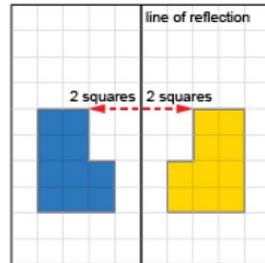
Exploring 2-D Shapes by Applying and Visualizing Reflections

Recognizes a reflection on a grid and identifies the line of reflection.



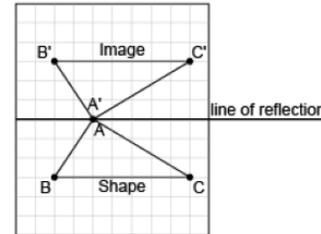
“The shape and its image are congruent and they are mirror images of each other.”

Counts squares to show that matching vertices are the same distance from line of reflection.



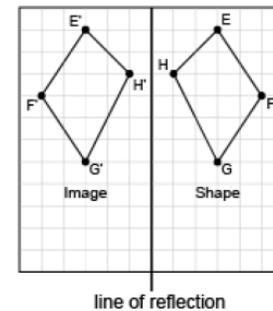
“These matching vertices are both 2 squares from the line of reflection.”

Performs reflections using labelled vertices over various lines of reflection.



“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 reflection.



“I can picture the image on the other side of the line, so that matching vertices are the same distance from the line of reflection.”

Observations/Documentation