

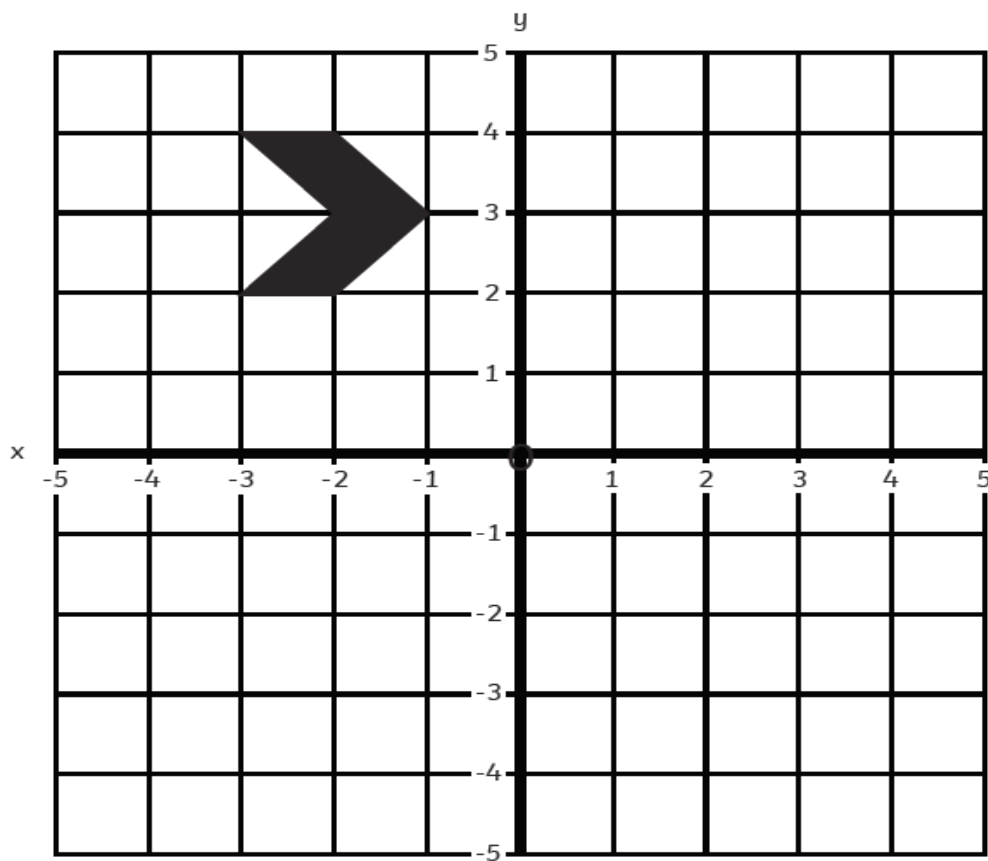
19.1.21

L.O I can reflect across all four quadrants.

Challenge A

- 1) This shape is reflected in the y -axis.
 - a) Copy the grid onto squared paper and draw the reflection of the shape.

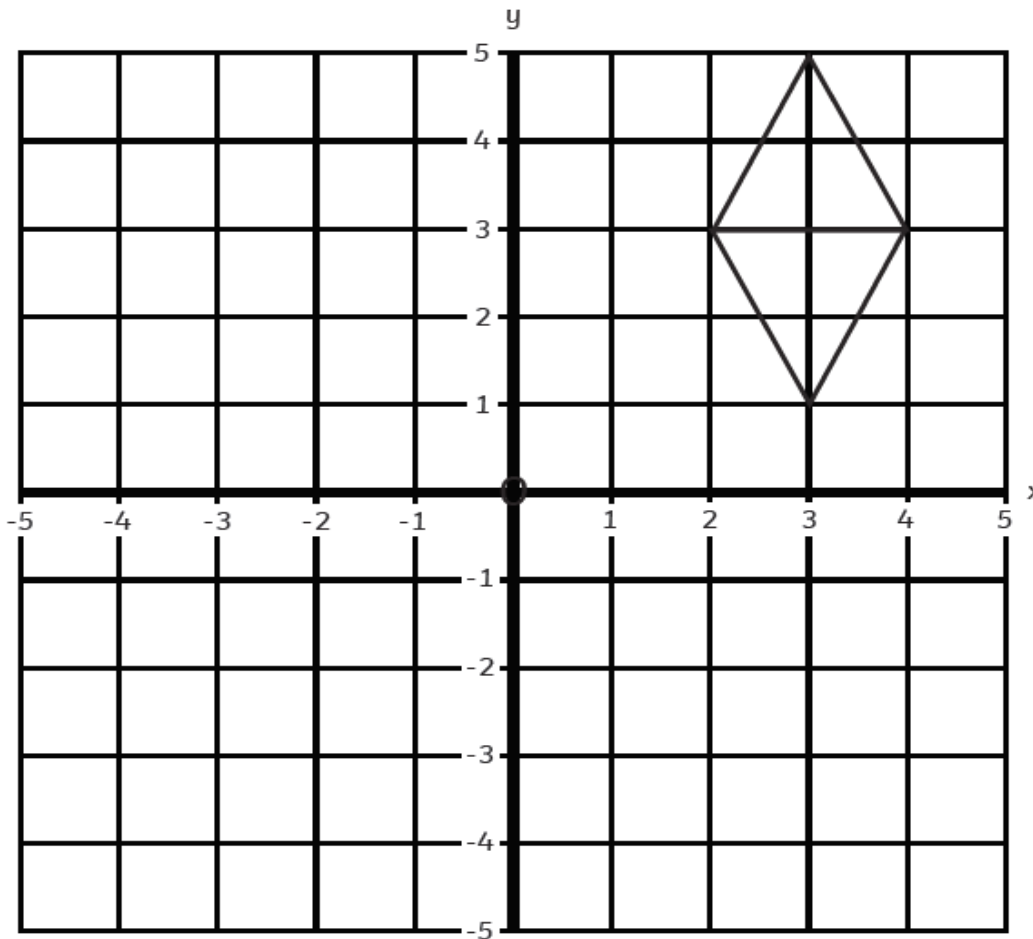
- 2) The original shape is now reflected in the x -axis.
 - a) Draw the reflection of the shape.
 - b) Give the coordinates of the reflected shape.



Challenge B

This shape is translated two squares to the left and then reflected in both axes.

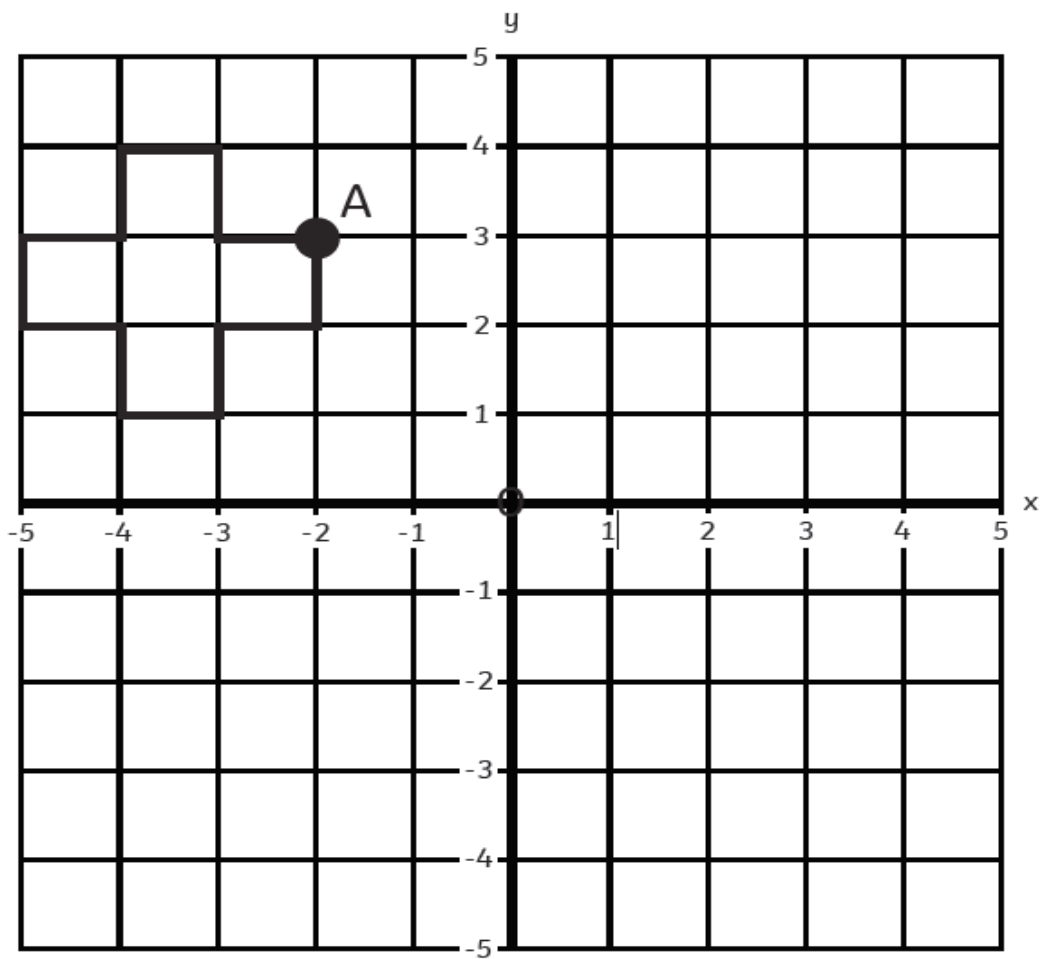
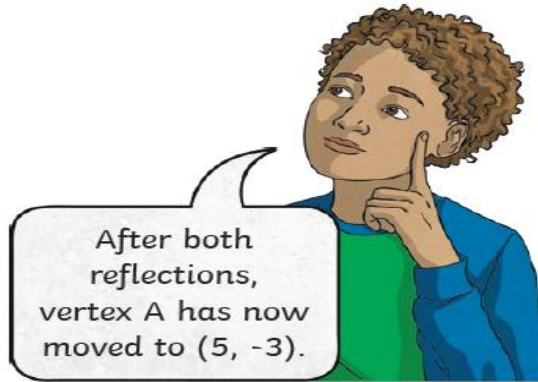
- Copy the grid onto squared paper and draw the translated shape. after it has been reflected in the y -axis.
- Give the coordinates of this shape.
- Draw the translated shape on your grid, after it has been reflected in the x -axis.
- Give the coordinates of this shape.



Challenge C

Jacob reflects his shape in the x-axis and draws vertex A in its new position.

He then reflects the new shape in the y-axis and draws vertex A in its final position.



Is Jacob correct? Explain your answer.

Challenge D

Meeta has reflected shape A in the y-axis, then in the x-axis. She has drawn the new position of the shape.

Explain to Meeta why her reflection is incorrect.

