

Name: _____ Date: _____

Coordinates of reflections

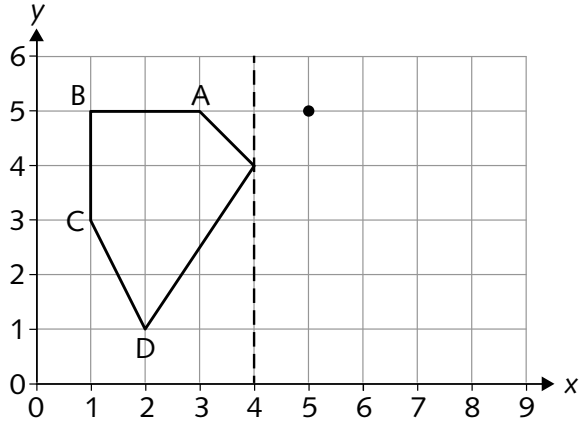
Reflect a shape using coordinates in the first quadrant

You will need:

- ruler

Challenges
1,2,3

- 1 Reflect the vertices ABCD in the mirror line.
- 2 Label the vertices in the image as A' to D'.
- 3 Join the five points to complete the image.



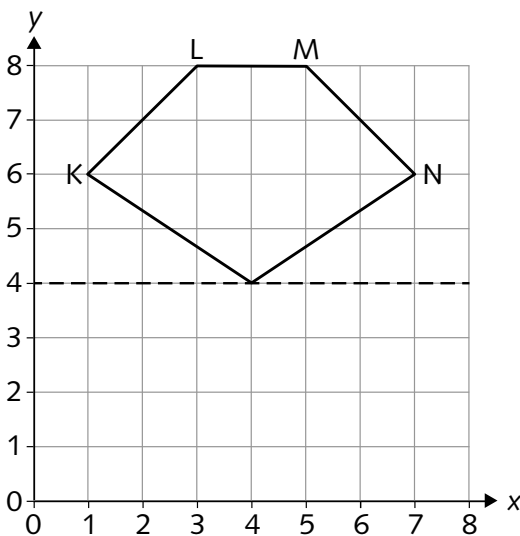
Challenges
2,3

Complete the table for the vertices ABCD, and the reflected images A'B'C'D'.

Shape		Image	
Vertex	Coordinates	Vertex	Coordinates
A	(3,5)	A'	
B		B'	
C		C'	
D		D'	

Challenge
3

Reflect the vertices KLMN. Label the reflected points and join the five points to complete the image. Then complete the table.



Shape		Image	
Vertex	Coordinates	Vertex	Coordinates
K		K'	
L		L'	
M		M'	
N		N'	



Look for number patterns in the table for vertices ABCD. Write what you notice on the back of this sheet.