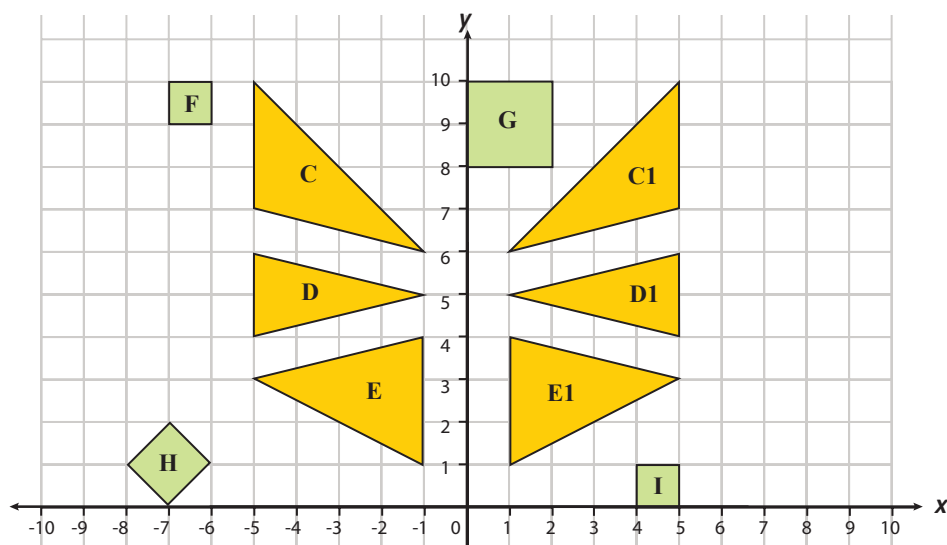


Pattern of reflections

Sheet 2



1. Look at triangles: C, D and E. They have been reflected across the y -axis to give triangles C1, D1 and E1. Mark the pairs of vertices (corners) which are reflections of each other. Use crosses, and a different colour for each pair. How many pairs should there be?
2. In the table, write the co-ordinates of the pairs of vertices you marked.

Colour of the two crosses	Vertex in shape on left	Vertex in shape on right
	(,)	(,)
	(,)	(,)
	(,)	(,)
	(,)	(,)
	(,)	(,)
	(,)	(,)
	(,)	(,)
	(,)	(,)
	(,)	(,)
	(,)	(,)

What do you notice about each co-ordinate and its reflection?

3. Look at squares F, G, H and I. Can you predict the co-ordinates of their reflections across the y -axis?

Challenge

- Draw two more polygons and their reflections. Use the spare space on the grid.
- Name your pairs of polygons with letters, J and J1 and K and K1.
- Write down the co-ordinate pairs for each matching pair of vertices.