



Deepen Activities

- 1 Draw an irregular shape on dotty paper and create a reflection problem for a partner to solve. Don't forget to draw your mirror line.

I will make my shape trickier by using more vertices or using a mirror line that is not vertical or horizontal.



- 2 A triangle has coordinates (6,4), (8,4) and (6,1). When it is reflected and translated, its new coordinates are (3,5) (5,5) and (3,8).

Draw in the mirror line and find what translation might have been done.



I wonder if there is more than one possible translation?

- 3 In pairs, use a blank 10 by 10 coordinate grid. Each choose a different colour of counters. Take it in turns to roll a 9-sided dice, and place a counter on either the x or y coordinate point that matches your dice number.

Record your coordinates as you go.

The aim is to get four counters in a row horizontally, vertically or diagonally.

