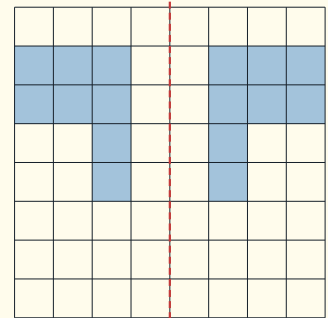


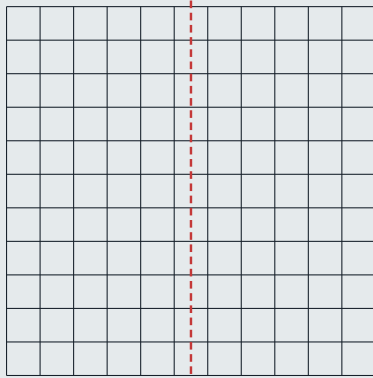
REFLECTING A FLAG ACROSS A VERTICAL LINE

- 1 The flag sits to the left of the vertical mirror line.
- 2 Its top corner is 4 squares from the line, so the matching corner is marked 4 squares to the right.
- 3 Its pole is 2 squares from the line, so the matching pole is marked 2 squares to the right.
- 4 Join the new corners; the flag is the same size but now points the opposite way.



WARM-UP

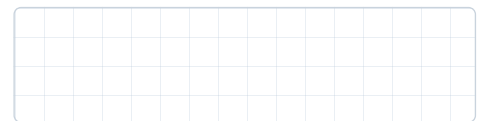
The dashed line is a mirror. Mark each corner, then draw its reflection the same distance on the other side.



1. Mark a corner 3 squares to the left of the mirror line, then draw its reflection 3 squares to the right.
2. Mark corners 2 and 4 squares to the left of the line, then draw both reflections on the right.
3. Mark corners 1, 3 and 5 squares from the line, then draw each reflection the same distance on the other side.

PRACTICE

- 1 In building club, Aoife places a block corner 7 squares left of the mirror line. She must place its reflection the same distance on the right. How many squares from the line is its reflection?
- 2 In the making workshop, Tom builds a flag with corners 2 and 6 squares left of the line and reflects it to the right. Where do the two reflected corners land?



SPOT THE MISTAKE

Ciarán reflects a coloured square that sits 2 squares to the left of a vertical mirror line:

He draws the image 3 squares to the right of the mirror line.

Find Ciarán's mistake. Where should the image square go?

The mistake _____ Correct answer _____

REFLECT

Does a reflection face the same way as the shape, or the opposite way?