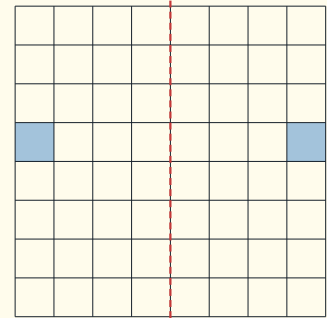


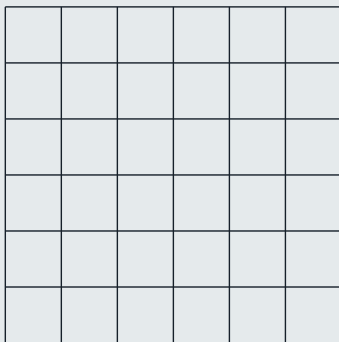
REFLECTING ONE SQUARE ACROSS THE LINE

- 1 The coloured square sits on the LEFT of the mirror line.
- 2 Count the squares from the line: it is 4 squares out.
- 3 Count the same 4 squares out on the RIGHT of the line and colour that matching square.



WARM-UP

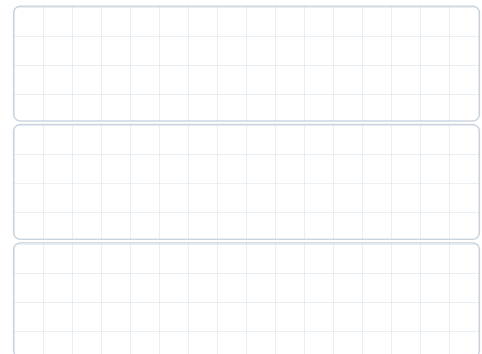
On the grid, draw the vertical mirror line down the middle, then complete the pattern.



1. Colour squares 2, 4 and 6 to the LEFT of the mirror line.
2. Colour the mirror square for each one 2, 4 and 6 to the RIGHT of the line.
3. Colour one square sitting right ON the mirror line and check both halves now match.

PRACTICE

- 1 Cara is building a symmetrical tile pattern. She glues a red tile 3 squares to the left of the fold line and must place its mirror on the right.
- 2 Sam is making a paper butterfly. One wing spot sits 5 squares left of the middle line, and he needs the matching spot on the other wing.
- 3 Tom is stitching a symmetrical banner. Three stitches sit 2, 4 and 6 squares left of the centre line and each needs a mirror stitch on the right.



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?

IRISH FACT A GAA pitch is a mirror

A full-size GAA pitch is a rectangle up to 145 m long. The halfway line is a **mirror line** — each half is an exact reflection of the other, just like a butterfly's wings.

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REFLECT When you finish one half, how do you check the other half really matches?