

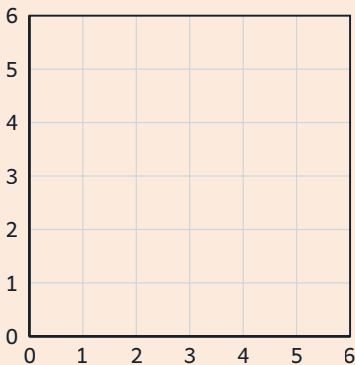
Location and transformation investigation

HOW TO ANSWER TODAY

- **Lines of symmetry.** A line of symmetry folds the shape so both halves match. Count every direction that works.
Square → 4 lines (2 middles + 2 diagonals) · Equilateral triangle → 3

TRY IT ON THE LINE

Use the grid to find and name positions.

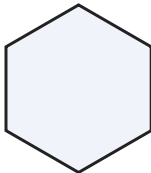


1. Mark the points the lesson gives, reading across then up.
2. Write the position of each marked point as (across, up).
3. Hide a shape and write the squares it covers.

PRACTICE

- 1 At the school summer fair, a spin-the-wheel prize map is drawn on a grid. The kite prize sits 4 squares across and 6 squares up from the corner. Write the kite's position as (across, up).

2

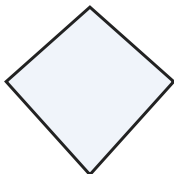


Cian is helping the caretaker paint a regular hexagon shape on the school field for a PE game. He wants to fold a paper copy of the hexagon along all its lines of symmetry. How many lines of symmetry does a regular hexagon have?

CHALLENGE

- 1 Cara is doing a maths investigation using a grid. She marks a tree on the grid 1 square across and 4 squares up. Write the tree's position as (across, up).

2



Cian is helping his teacher set out cones in a kite shape on the school field before soccer training. How many lines of symmetry does a kite have?