

# Symmetry – lines and rotational

MODULE 6 · 2D AND 3D SHAPE, ANGLES, SYMMETRY SHAPE &amp; SPACE

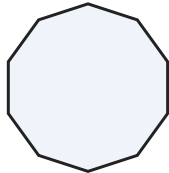
## HOW TO ANSWER TODAY

- **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

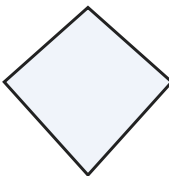
## ★ STRETCH PROBLEMS

1



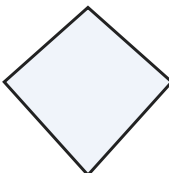
Mr Ó Briain's 5th class are painting a flower design on a new raised bed in the school garden. The flower's centre is a regular decagon. How many lines of symmetry does a regular decagon have?

2



5th class are planning a kite-shaped flowerbed for the school garden. Saoirse wants to mark the lines of symmetry on her sketch before they plant the seeds. How many lines of symmetry does a kite have?

3



5th class are designing a class crest for their new Gaelic football jersey. The art teacher sketches the crest in the shape of a kite. How many lines of symmetry does the kite-shaped crest have?