

# Naming and sorting 2D and 3D shapes

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

## HOW TO ANSWER TODAY

- **Name a 2D shape.** Count sides, check which are equal, count right angles, check parallel pairs. Then name it.

4 equal sides, 0 right angles → rhombus · 4 sides, 1 pair parallel → trapezium

- **Name a 3D shape.** Count faces (flat surfaces), edges (where two faces meet), vertices (corners). Match to the shape.

5 faces, 9 edges, 6 vertices → triangular prism

## ★ STRETCH PROBLEMS

- 1 Tadhg is painting a banner for the GAA finals day at the local pitch. The banner has 4 sides, with 1 pair of parallel sides and the other 2 sides equal in length. Which 2D shape is the banner?

- 2 Tadhg is making a homemade Snakes and Ladders board for 5th class. He draws a special tile in the middle that has 6 equal sides and 6 equal angles. What 2D shape is the tile?

Which 2D shape has these properties: 6 equal sides and 6 equal angles?

- 3 Oisín is sorting parts for the 5th class robotics build. He picks up a plastic piece with 2 faces, 1 edge and 1 vertex, with 1 circular base and 1 apex. What 3D shape is the piece?

A 3D shape has these properties: 2 faces, 1 edge, 1 vertex; 1 circular base and 1 apex. What shape is it?

- 4 Méabh is making a 3D shapes corridor display for 5th class. One of her models has 5 faces, 8 edges and 5 vertices, with 1 square base and 4 triangular faces meeting at one apex. What shape is the model?

A 3D shape has these properties: 5 faces, 8 edges, 5 vertices; 1 square base and 4 triangular faces meeting at one apex. What shape is it?

- 5 Oisín is cutting flat panels from cereal boxes for a junk-modelling project in 5th class. One panel has 4 sides with 2 pairs of equal length and 4 right angles. Which 2D shape is the panel?

Which 2D shape has these properties: 4 sides with 2 pairs of equal length and 4 right angles?