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?