Naming and sorting 2D and 3D shapes

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

HOW TO ANSWER TODAY

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

STRETCH PROBLEMS

1. Aoife picks up a solid wooden block from the maths table in 5th class. The block has **5** faces, **9** edges and **6** vertices, with **2** triangular faces and **3** rectangular faces. What shape is it?

2. 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?

3. Cian is sorting the solid shapes on the maths table. One shape has **3** faces, **2** edges and **0** vertices, with **2** circular faces and **1** curved surface. What shape is it?

4. 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?

5. 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?

SHAPE & SPACE