

3D shapes – faces, edges and vertices

MODULE 7 · 2D AND 3D SHAPES AND ANGLES 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.

★ STRETCH PROBLEMS

- 1 For the school play, Oisín builds a model out of card. It has **5** faces, **8** edges and **5** vertices, with **1** square base and **4** triangular faces meeting at one apex. What 3D shape has he made?
- 2 Aoife is building a tent-shaped shelter for the school summer fair. Its shape has **5** faces, **9** edges and **6** vertices, with **2** triangular faces and **3** rectangular faces. What 3D shape is it?
- 3 Cian is sorting the shape blocks in the maths corner for 3rd class. He picks up one block that has **3** faces, **2** edges and **0** vertices, with **2** circular faces and **1** curved surface. What 3D shape is he holding?
- 4 For an art lesson, Oisín studies a wooden block from the shape box. He counts **6** faces, **12** edges and **8** vertices, and notices that all the faces are squares. What 3D shape is he holding?
- 5 Cian finds a cereal box in the junk-art box for a school project. He counts **6** faces, **12** edges and **8** vertices, and notices all the faces are rectangles but not all squares. What 3D shape is the cereal box?