

Properties and faces, edges, vertices of polyhedra

MODULE 7 · 2D SHAPE, 3D SHAPE 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 Saoirse is building a model bridge for STEM week. She needs a 3D shape with **6** faces, **12** edges and **8** vertices, where all the faces are rectangles but not all are squares. What shape is it?
- 2 Aoife is helping decorate the class door for Seachtain na Gaeilge. She picks up a 3D shape that has **6** faces, **12** edges and **8** vertices, and all its faces are squares. What shape is it?
- 3 Oisín is sorting parts for the 6th 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?
- 4 Méabh is making a 3D shapes corridor display for 6th 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?
- 5 Aoife is designing a mosaic for the school library wall and sketches a 3D shape she wants to feature. Her shape has **4** faces, **6** edges and **4** vertices, and every face is a triangle. What is the name of this shape?



SHAPE & SPACE