

## 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.

5 faces, 9 edges, 6 vertices  $\rightarrow$  triangular prism

 **STRETCH PROBLEMS**

- 1 Cian is building a model for the 5th class robotics project. One of the parts has 5 faces, 8 edges and 5 vertices, with 1 square base and 4 triangular faces meeting at one apex. What 3D shape is this part?

- 2** Eoin is helping the caretaker carry a wooden equipment box out to the school field before soccer training. He notices the box has **6** faces, **12** edges and **8** vertices, and that all the faces are rectangles but not all are squares. What 3D shape is the equipment box?