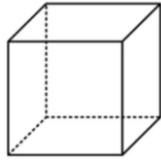
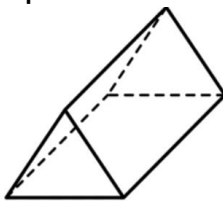


# PROPERTIES OF SOLIDS

- 1) The diagram of a cube is shown below.  
State the number of faces the cube has.



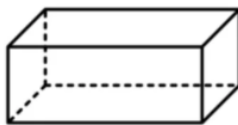
- 2) The diagram of a triangular prism is shown below. State the number of vertices the triangular prism has.



- 3) The diagram of a square-based pyramid is shown below. State the number of edges the square-based pyramid has.



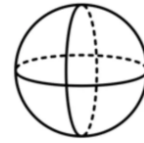
- 4) A cuboid has 12 edges. How many vertices does it have?



- 5) The diagram of a triangular prism is shown below. State the number of faces the triangular prism has.

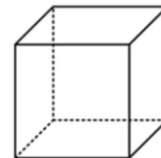


- 6) The diagram of a sphere is shown below.  
State the number of faces the sphere has.



- 7) A 3D shape has 6 faces, all of them rectangles. What is the name of the shape?

- 8) How many vertices does a cube have?



- 9) The base of a 3D shape is a triangle. The shape has three additional faces that meet at a point. What is the name of the shape?

- 10) How many vertices does a square based pyramid have?

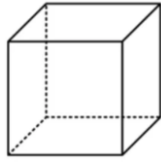


- 11) What is the difference between the number of faces and the number of vertices a cube has?

- 12) A shape has 1 square base and 4 triangular faces meeting at a point.

- a. How many faces does it have?
- b. State the name of the shape.

13) How many edges does a cube have?



14) The diagram of a cone is shown below.  
State the number of faces the cone has.

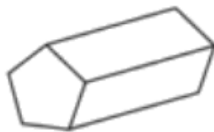


15) Work out the difference between the number of edges a cuboid has and the number of edges a triangular prism has.

16) A pentagonal prism is shown below. State the number of edges the solid has.



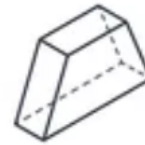
17) A pentagonal prism is shown below. State the number of vertices the solid has.



18) A prism has 8 vertices and 12 edges. State the name of the shape.

19) A triangular prism has two faces that are scalene right-angled triangles. How many identical sized faces does it have?

20) How many edges does a trapezium prism have?



21) The net of a shape shows two circles and a rectangle. What 3D shape will it form?

22) State the number of faces a heptagonal prism has.

23) A shape has 6 vertices, 9 edges, and 5 faces. What is it?

24) How many edges does a hexagonal prism have?

25) A 3D shape has two identical faces at each end and 8 identical rectangular faces. What prism could it be?

26) How many faces does the frustum of a cone have?