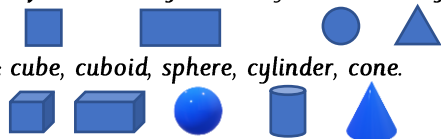## What should I already know?

- Name common **2D** shapes: **square**, **rectangle** (oblong), **circle**, **triangle**.
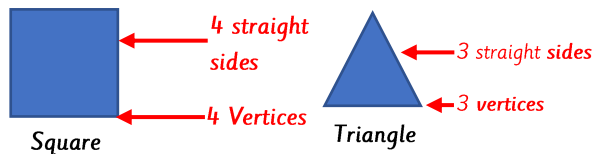
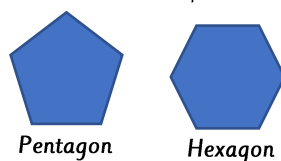- Name common **3D** shapes: **cube**, **cuboid**, **sphere**, **cylinder**, **cone**.
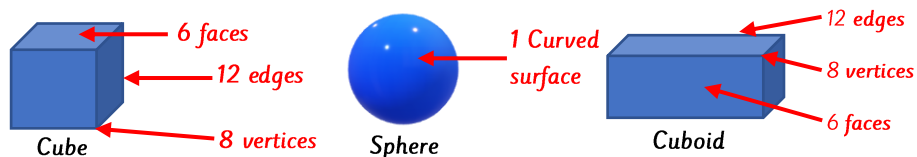
Key Knowledge
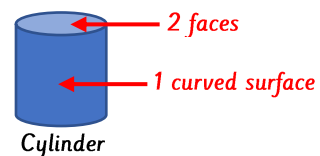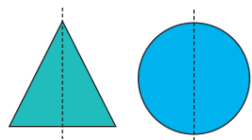
Recognise and <ins>_describe_</ins> **2D** shapes:

4 straight sides

4 Vertices

Square

3 straight **sides**

3 vertices

Triangle

More **2D** shapes:

Pentagon   **Hexagon**

Recognise and <ins>_describe_</ins> **3D** shapes:

6 faces

12 edges

8 vertices

Cube

1 Curved surface

Sphere

12 edges

8 vertices

6 faces

Cuboid

2 faces

1 curved surface

Cylinder

More **3D** shapes:

Square-based pyramid   Triangular prism

<ins>Vertical line of symmetry:</ins>

<ins>Repeating shape patterns:</ins>

2D

3D
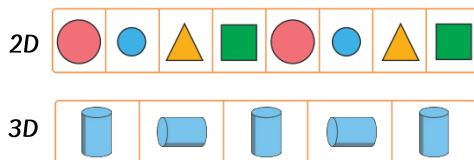
Key Vocabulary and definitions

two-dimensional shape (2D shape)	A flat shape.
three-dimensional shape (3D shape)	A solid shape.
side	A line that joins 2 **vertices** in a **2D** shape.
edge	Where 2 **faces** meet on a **3D** shape.
vertex	A corner point, where 2 or more **sides** or **edges** meet.
vertices	More than 1 **vertex** (corner point) e.g., a **triangle** has 3 **vertices**.
face	A **flat surface** on a **3D** shape.
curved	Rounded. (A **sphere** and a **cylinder** both have 1 **curved surface**).
line of symmetry	A line that splits a shape into 2 equal parts. If you were to put a mirror on the line, the reflection looks exactly the same.
vertical	Something that rises straight up e.g., people stand up straight in a **vertical** position.
pattern	A sequence of repeated objects, shapes or numbers which follow a rule.

<ins>Stem sentences:</ins>

This shape is a _____ because…

I know this shape is a _____ because…

The number of vertices a 2D shape has is _____ to the number of sides.

<ins>Stem sentences:</ins>

I know that this is a line of symmetry because…

The 2D shapes that make up the faces of a _____ are…

_____ is similar/different to _____ because….