

# Varied Fluency

## Step 1: Recognise 2D and 3D Shapes

### National Curriculum Objectives:

Mathematics Year 2: (2G1a) [Compare and sort common 2-D shapes and everyday objects](#)

Mathematics Year 2: (2G1b) [Compare and sort common 3-D shapes and everyday objects](#)

### Differentiation:

**Developing** Questions to support recognising 2D and 3D shapes. All shapes presented in the same orientation and size. Perspective lines visible on all 3D shapes.

**Expected** Questions to support recognising 2D and 3D shapes. All shapes presented in different orientations and sizes. Perspective lines visible on some 3D shapes.

**Greater Depth** Questions to support recognising 2D and 3D shapes. All shapes presented in different orientations and sizes with some 2D shapes given as the face of a 3D shape. No perspective lines visible on 3D shapes, with some use of real-life objects.

More [Year 2 Properties of Shape](#) resources.

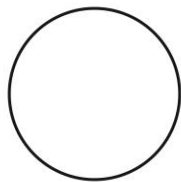
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## Recognise 2D and 3D Shapes

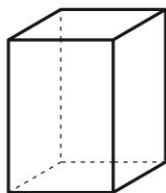
## Recognise 2D and 3D Shapes

1a. Which of the following shapes is a circle?

A.



B.



C.



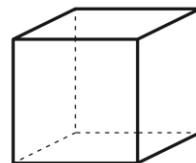
VF

1b. Which of the following shapes is a cube?

A.



B.



C.

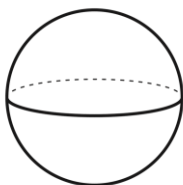


VF

2a. Tick the correct sentence.

A. This shape is a cuboid.

B. This shape is a sphere.



VF

2b. Tick the correct sentence.

A. This shape is a square.

B. This shape is a pyramid.



VF

3a. Circle the name of the shape below.

octagon

triangle

cuboid



cone



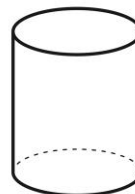
VF

3b. Circle the name of the shape below.

pentagon

sphere

circle



cylinder



VF

4a. Label the shapes using the word bank.

cuboid

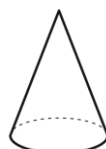
rectangle

cone

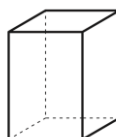
A.



B.



C.



VF

4b. Label the shapes using the word bank.

sphere

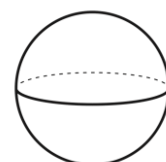
hexagon

square

A.



B.



C.



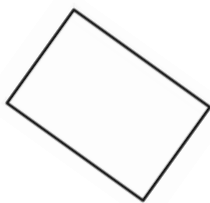
VF

## Recognise 2D and 3D Shapes

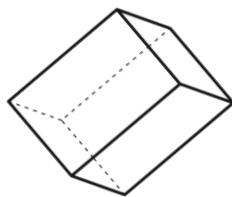
## Recognise 2D and 3D Shapes

5a. Which of the following shapes is a square?

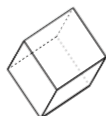
A.



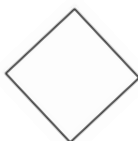
B.



C.



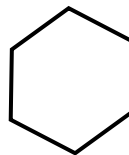
D.



VF

5b. Which of the following shapes is a pyramid?

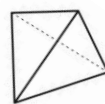
A.



B.



C.



D.



VF

6a. Tick the correct sentence.

A. This shape is a cylinder.

B. This shape is a sphere.

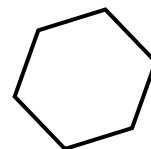


VF

6b. Tick the correct sentence.

A. This shape is a cuboid.

B. This shape is a hexagon.



VF

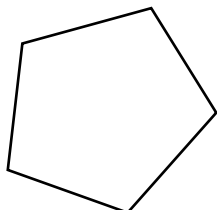
7a. Circle the name of the shape below.

pyramid

octagon

pentagon

cuboid



VF

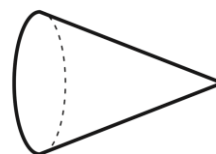
7b. Circle the name of the shape below.

circle

cone

cylinder

triangle



VF

8a. Label the shapes using the word bank.

cone

triangle

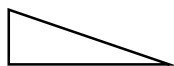
sphere

octagon

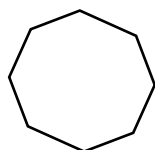
A.



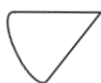
B.



C.



D.



VF

8b. Label the shapes using the word bank.

pentagon

cuboid

circle

cube

A.



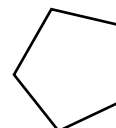
B.



C.



D.



VF

## Recognise 2D and 3D Shapes

## Recognise 2D and 3D Shapes

9a. Which of the following shapes have a square face?

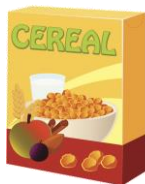
A.



B.



C.



D.



E.



VF

9b. Which of the following shapes have a triangular face?

A.



B.



C.



D.



E.



VF

10a. Complete the statements.

A. This shape is a \_\_\_\_\_.

B. It is a \_\_\_\_\_ D shape.

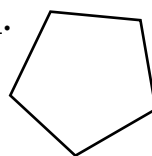


VF

10b. Complete the statements.

A. This shape is a \_\_\_\_\_.

B. It is a \_\_\_\_\_ D shape.



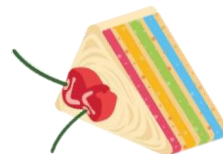
VF

11a. Write the names of both 2D shapes on the faces of this 3D shape.



VF

11b. Write the names of both 2D shapes on the faces of this 3D shape.



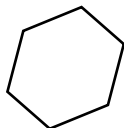
VF

12a. Label the shapes below.

A.



B.



C.



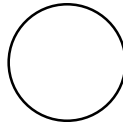
D.



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12b. Label the shapes below.

A.



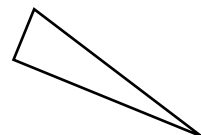
B.



C.



D.



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**Varied Fluency**  
**Recognise 2D and 3D Shapes**

**Developing**

- 1a. **A**
- 2a. **B**
- 3a. **triangle**
- 4a. **A = rectangle; B = cone; C = cuboid**

**Expected**

- 5a. **D**
- 6a. **A**
- 7a. **pentagon**
- 8a. **A = sphere; B = triangle; C = octagon; D = cone**

**Greater Depth**

- 9a. **A (cuboid); E (cube)**
- 10a. **A = cube; B = 3**
- 11a. **triangle; square**
- 12a. **A = cone; B = hexagon; C = octagon; D = cylinder**

**Varied Fluency**  
**Recognise 2D and 3D Shapes**

**Developing**

- 1b. **B**
- 2b. **A**
- 3b. **cylinder**
- 4b. **A = hexagon; B = sphere; C = square**

**Expected**

- 5b. **C**
- 6b. **B**
- 7b. **cone**
- 8b. **A = circle; B = cuboid; C = cube; D = pentagon**

**Greater Depth**

- 9b. **A (square-based pyramid); C (triangular prism)**
- 10b. **A = pentagon; B = 2**
- 11b. **triangle; rectangle**
- 12b. **A = circle; B = sphere; C = cuboid; D = triangle**