

Name: \_\_\_\_\_

Exam Style Questions

## 3D Shapes



Corbettmaths

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

### Guidance

1. Read each question carefully before you begin answering it.
2. Don't spend too long on one question.
3. Attempt every question.
4. Check your answers seem right.
5. Always show your workings

Revision for this topic

[www.corbettmaths.com/contents](http://www.corbettmaths.com/contents)

Video 3

Video 5



1. The names of five solid shapes are given.

triangular prism    sphere    cube    cuboid    cylinder

Three of them are drawn below.



A



B



C

Complete these statements.

Shape A is called a ..... **Cuboid** .....

Shape B is called a ..... **Cylinder** .....

Shape C is called a ..... **Sphere** .....

(3)

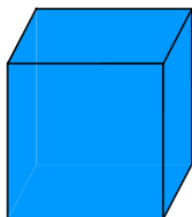
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2. (a) How many faces has a cube?

**6**

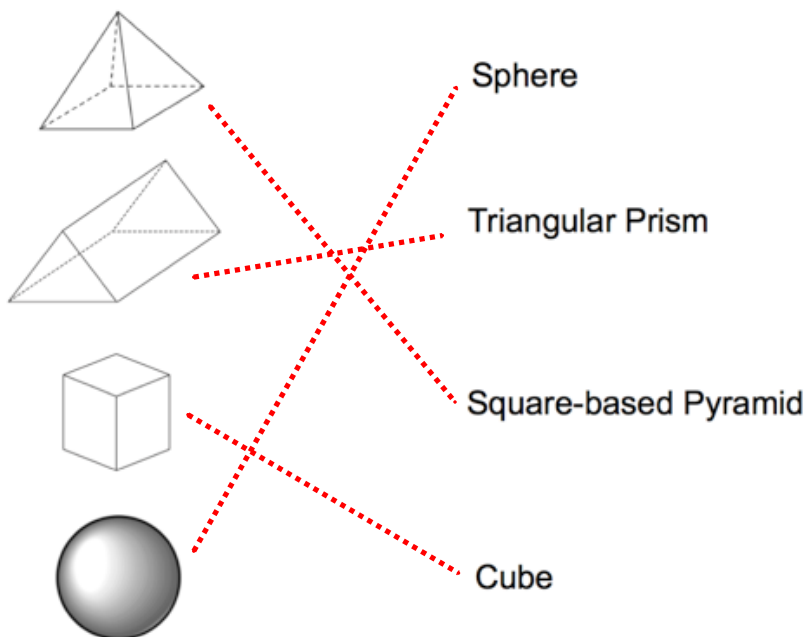
.....  
(1)

(b) Sketch a cube.



(1)

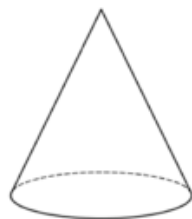
3. Below is a list of solid shapes and their names.



Match each shape to the correct name.

(4)

4. Shown is a solid shape.



(a) What is the mathematical name for the shape?

Cone

(1)



The shape above is a cuboid.

(b) How many faces does a cuboid have?

6

(1)

(c) How many edges does a cuboid have?

12

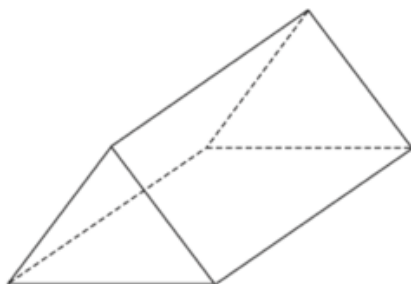
(1)

(d) How many vertices does a cuboid have?

8

(1)

5. Below is a solid shape.



(a) What is the mathematical name for the shape?

Triangular Prism

(1)

(b) Write down the number of vertices

6

(1)

(c) Write down the number of faces

5

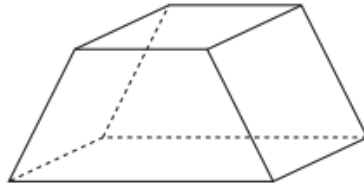
(1)

(d) Write down the number of edges

9

(1)

6. Below is a solid.



(a) Write down the number of faces

6  
.....  
(1)

(b) Write down the number of vertices

8  
.....  
(1)

7. Complete the table below.

	Faces	Edges	Vertices
Cube	6	12	8
Square-based Pyramid	5	8	5
Triangular Prism	5	9	6

(6)