



FUNCTIONAL SKILLS MATHEMATICS

AQA | Edexcel | City & Guilds | Open Awards | NCFE | Highfield

Entry Level 3

3D Shape Basics

Materials

- You **cannot** use a calculator for **questions** with this symbol.



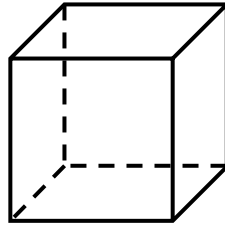
Instructions

- Answer **all** questions.
- Answer questions on separate paper.

Information and Advice

- The marks for each question are shown in brackets – use this as a guide on how long to spend on each question.
- Read each question carefully before you answer it.
- Check you answers.

Q1 Here is a 3D shape:



1(a) What is the name of this 3D shape?

[1 mark]

1(b) How many faces does this 3D shape have?

[1 mark]

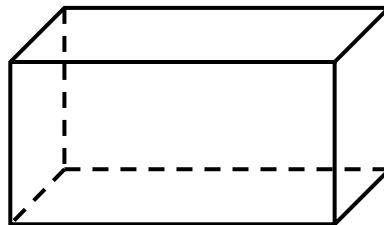
1(c) The faces of this shape are made from what 2D shapes?

[1 mark]

1(d) How many corners does this shape have?

[1 mark]

Q2 Below is a 3D shape:



2(a) What is the name of this 3D shape?

[1 mark]

2(b) How many faces does this 3D shape have?

[1 mark]

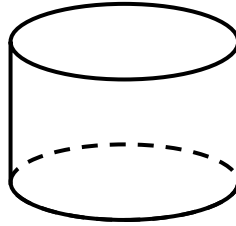
2(c) The faces of this shape are made from what 2D shapes?

[1 mark]

2(d) How many corners does this shape have?

[1 mark]

Q3 Here is a 3D shape:



3(a) What is the name of this 3D shape? [1 mark]

3(b) How many faces does this 3D shape have? [1 mark]

3(c) The **flat** faces of this shape are made from what 2D shapes? [1 mark]

3(d) How many corners does this shape have? [1 mark]

Q4 Each of these question parts describes a feature of a 3D shape. Choose the correct 3D shape.

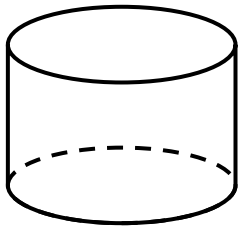
4(a) The angle at each corner is a right angle. Is this a cuboid or a cylinder? [1 mark]

4(b) It has 6 faces, all of which are squares. Is this a cube or a cuboid? [1 mark]

4(c) Two of its faces are circles. Is this a cube or a cylinder? [1 mark]

4(d) It has 8 corners. Is this a cuboid or a cylinder? [1 mark]

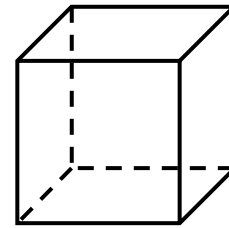
Q5 Rishi has a toy puzzle in the shape of a cube. Which shape is it – A, B or C?



A



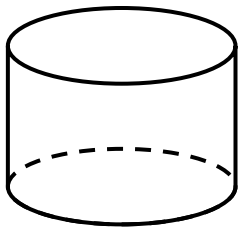
B



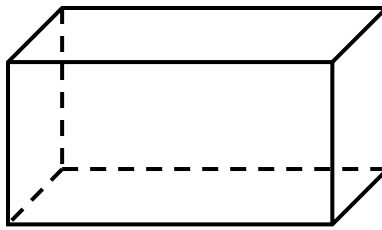
C

[1 mark]

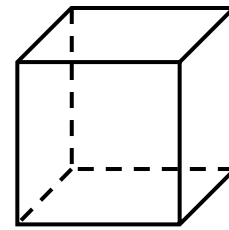
Q6 Derek wants to buy a footstool in the shape of a cylinder. Which shape should he choose – A, B or C?



A



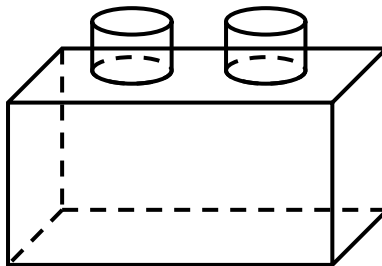
B



C

[1 mark]

Q7 Deborah is using some building blocks. What two 3D shapes is this building block made from?



[2 marks]