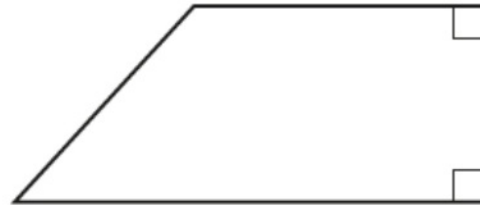


G26 3d Shapes, Faces, Edges and Vertices

OCR

1 (a) Write down the mathematical name of this shape.



(a) [1]

(b) How many faces does a cube have?

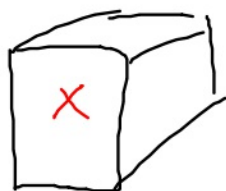
(b) [1]

1 (a) Write down the mathematical name of this shape.



(a) Trapezium [1]

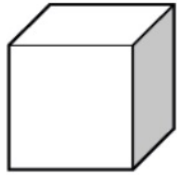
(b) How many faces does a cube have?



(b) 6 [1]

1 (a) Use one of these words to complete the sentence.

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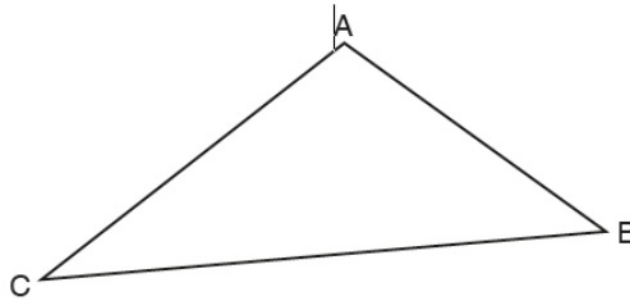


edges vertices faces planes

A cube has 12

[1]

(b) The diagram shows a triangle ABC.



Mark angle CAB.

[1]

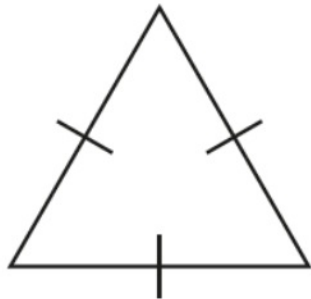
(c) Use one of these terms to complete the sentence.

a circle an angle a straight line the perimeter

The shortest distance between two points is

[1]

3 (a) Complete the statement using a term from the list.



isosceles

equilateral

right-angled

scalene

The triangle is *equilateral*

[1]

(b) These are the names of some special quadrilaterals.

G2

- | | |
|-----------|-------------------|
| rectangle | parallelogram |
| trapezium | kite rhombus |

Choose a quadrilateral from the list that satisfies each set of conditions.

- (i)**
- All four sides are the same length.
 - Opposite angles are equal.

(b)(i) [1]

- (ii)**
- All four angles are right angles.
 - Opposite sides are equal.

(ii) [1]

(b) These are the names of some special quadrilaterals.

G2

rectangle ✓✓	parallelogram ✗	
trapezium ✗	kite ✗	rhombus ✗

Choose a quadrilateral from the list that satisfies each set of conditions.

- (i) • All four sides are the same length.
• Opposite angles are equal.

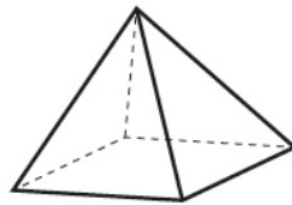
(b)(i) rhombus [1]

- (ii) • All four angles are right angles. ✓
• Opposite sides are equal.

(ii) rectangle [1]

(c) This is a square based pyramid.

~



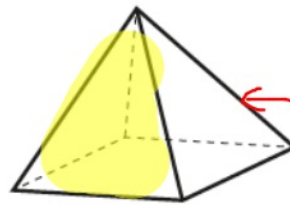
Complete the following.

A square based pyramid has faces and edges.

[2]

(c) This is a square based pyramid.

G26



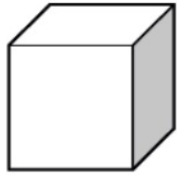
Complete the following.

A square based pyramid has 5 faces and 8 edges.

[2]

1 (a) Use one of these words to complete the sentence.

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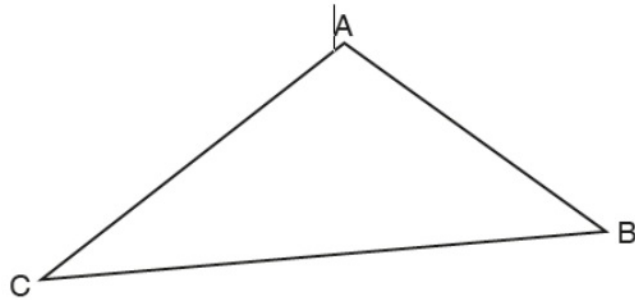


edges vertices faces planes

A cube has 12

[1]

(b) The diagram shows a triangle ABC.



Mark angle CAB.

[1]

(c) Use one of these terms to complete the sentence.

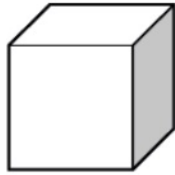
a circle an angle a straight line the perimeter

The shortest distance between two points is

[1]

1 (a) Use one of these words to complete the sentence.

Created by

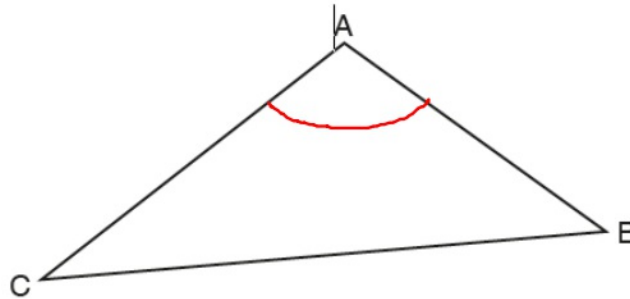


edges vertices faces planes

A cube has 12 *edges*

[1]

(b) The diagram shows a triangle ABC.



Mark angle CAB.



[1]

(c) Use one of these terms to complete the sentence.

a circle an angle a straight line the perimeter

The shortest distance between two points is *a straight line*

[1]

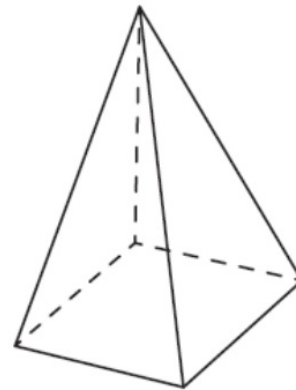
Edexcel

11 (a) Write down the number of faces of a cube.

Created by

.....
(1)

Here is a square-based pyramid.

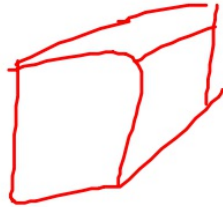


(b) Write down the number of edges.

.....
(1)

11 (a) Write down the number of faces of a cube.

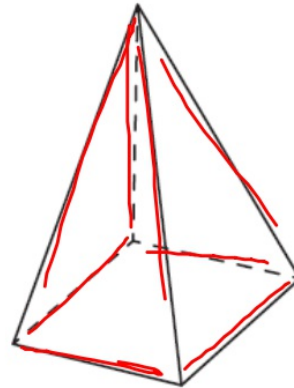
Created by



6

(1)

Here is a square-based pyramid.



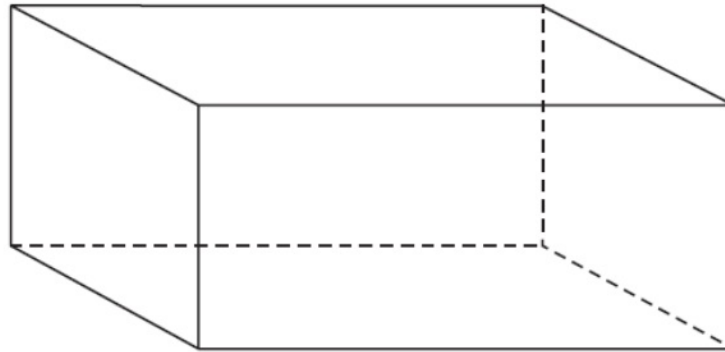
(b) Write down the number of edges.

8

(1)

5 Here is a 3-D shape.

G26



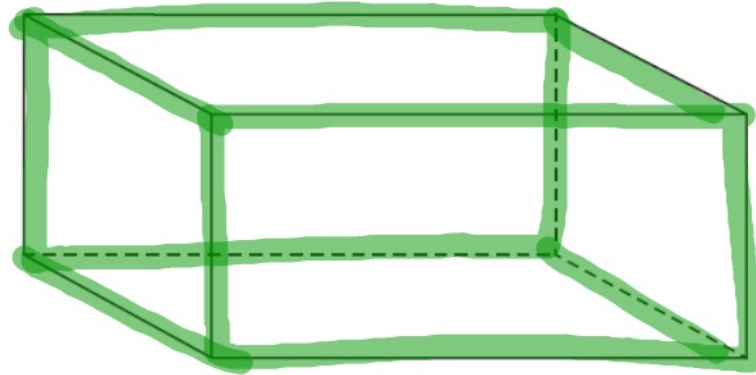
(a) Write down the name of this 3-D shape.

.....
(1)

(b) Write down the number of edges of this 3-D shape.

.....
(1)

5 Here is a 3-D shape.



(a) Write down the name of this 3-D shape.

cuboid
(1)

(b) Write down the number of edges of this 3-D shape.

12
(1)

AQA

12 (a) How many edges are there on a square-based pyramid?

Circle your answer.

[1 mark]

4

5

8

12

12 (a) How many edges are there on a square-based pyramid?

G26 Circle your answer.

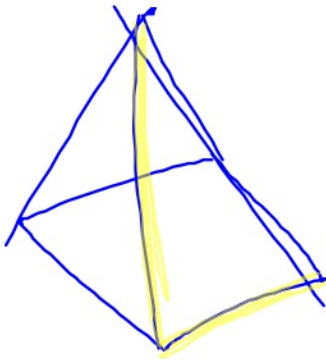
[1 mark]

4

5

8

12



12 (b) How many faces of a triangular prism are triangles?

G26

Circle your answer.

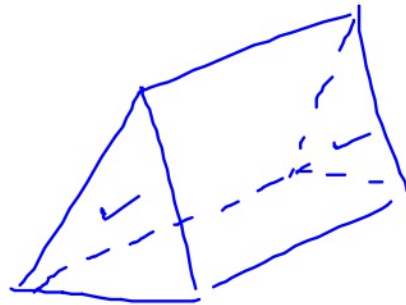
[1 mark]

2

3

4

5



Video created by W Neill

12 (b) How many faces of a triangular prism are triangles?

G26

Circle your answer.

[1 mark]

2

3

4

5

14 The cross section of a prism has n sides.

G26 Circle the expression for the number of edges of the prism.

[1 mark]

$2n$

$3n$

$n + 2$

$2n + 3$

14 The cross section of a prism has n sides.

G26

Circle the expression for the number of edges of the prism.

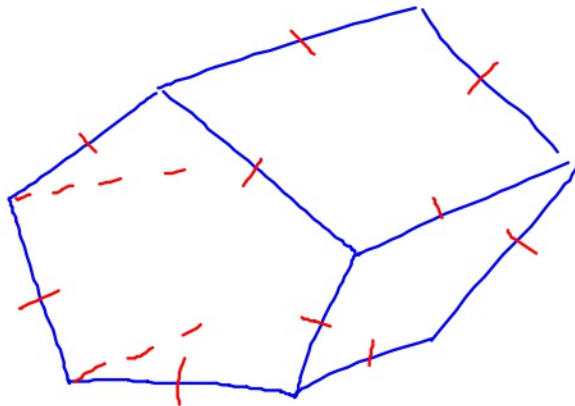
[1 mark]

$2n$

$3n$

$n + 2$

$2n + 3$



$$5 + 5 + 5$$

$$n + n + n$$

$$3n$$