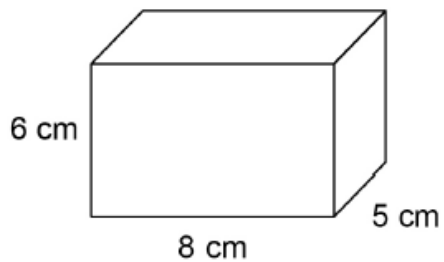


**AQA – Mensuration and calculations – GCSE Mathematics Paper 2**

1. [June/2021/Paper\\_2F/No.8](#)

Here is a cuboid.



Work out the volume.

[1 mark]

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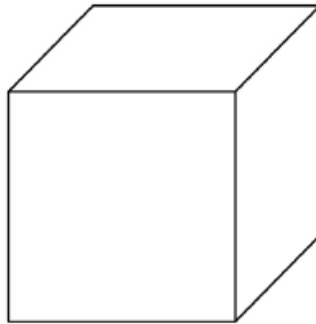
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Answer \_\_\_\_\_  $\text{cm}^3$

2. June/2021/Paper\_2F/No.15

Which of these is a correct statement about a cube?



Tick **one** box.

[1 mark]

It has 12 edges.

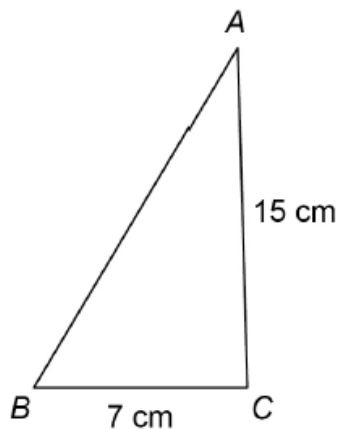
It has 12 faces.

It has 12 planes.

It has 12 vertices.

## 3. June/2021/Paper\_2F/No.24

Here is triangle  $ABC$ .



Not drawn  
accurately

- (a) Assume that angle  $ACB = 90^\circ$

Work out the length  $AB$ .

[3 marks]

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Answer \_\_\_\_\_ cm

(b) The actual length  $AB$  is greater than the answer to part (a).

What does this mean about angle  $ACB$ ?

Tick **one** box.

[1 mark]

It is  $90^\circ$

It is less than  $90^\circ$

It is more than  $90^\circ$

It could be any of the above.





## 6. June/2021/Paper\_2H/No.20

A square has an area of 0.25 square metres.

Circle the length, in centimetres, of one side of the square.

[1 mark]

0.5 cm

5 cm

50 cm

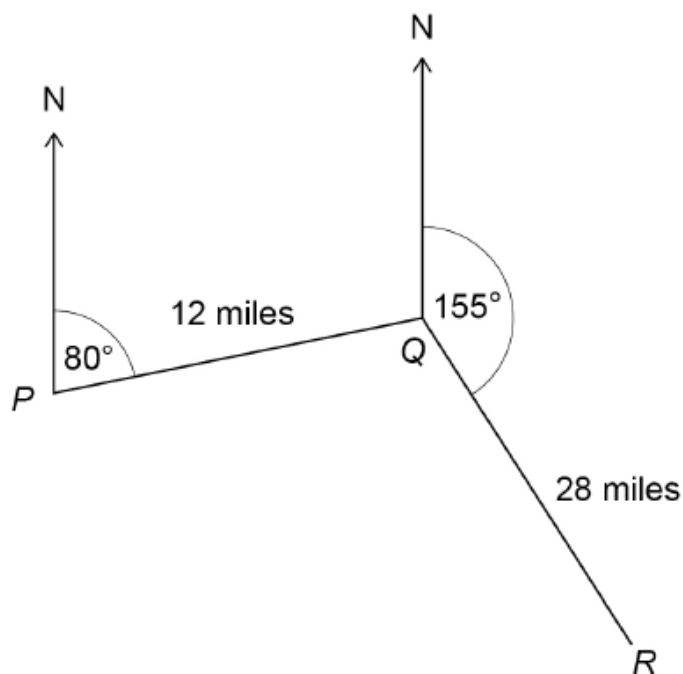
500 cm

## 7. June/2021/Paper\_2H/No.23

A ship sails from  $P$  to  $Q$  and then from  $Q$  to  $R$ .

$Q$  is 12 miles from  $P$ , on a bearing of  $080^\circ$

$R$  is 28 miles from  $Q$ , on a bearing of  $155^\circ$



Work out the direct distance from  $P$  to  $R$ .

[4 marks]

