



# GCSE Maths Takeaway 71 - Surface Area

Name: .....

Date: .....

A solid cube has sides of length 5 cm.

area of 1 face  
=  $5 \times 5 \text{ cm}^2$

Diagram NOT accurately drawn

Questions provided by  
**Just Maths**

Work out the total surface area of the cube.  
State the units of your answer.

What should go in the shaded box?

**A)** Surface area =  $6 \times 5 = 30 \text{ cm}^2$

**B)** Surface area =  $5 \times 5 = 25 \text{ cm}^2$

**C)** Surface area =  $6 \times 25 = 150 \text{ cm}^2$

**D)** Surface area =  $8 \times 25 = 200 \text{ cm}^2$

Correct Answer: A B C D

Explanation:

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base =  $12 \times 10 = 120$

back =  $5 \times 10 = 50$

slope =  $13 \times 10 = 130$

end  $\triangle = \frac{5 \times 12}{2} = 30$

Questions provided by  
**Just Maths**

Work out the total surface area of this triangular prism.

What should go in the shaded box?

**A)** Surface area =  $120 + 50 + 130 + 30 = 330 \text{ cm}^2$

**B)** Surface area =  $13 \times 12 \times 10 = 1560 \text{ cm}^2$

**C)** Surface area =  $120 + 50 + 130 + 30 + 30 = 360 \text{ cm}^2$

**D)** Surface area =  $120 + 50 + 130 = 300 \text{ cm}^2$

Correct Answer: A B C D

Explanation:

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Find the surface area of the cuboid

**A)**  $12 \text{ m}^2$

**B)**  $60 \text{ m}^2$

**C)**  $47 \text{ m}^2$

**D)**  $94 \text{ m}^2$

Correct Answer: A B C D

Explanation:

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What is the surface area of a cuboid of sides 2 cm, 3 cm and 5 cm?

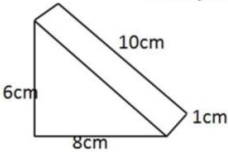
(A)  $30 \text{ cm}^2$   
 (B)  $31 \text{ cm}^2$   
 (C)  $60 \text{ cm}^2$   
 (D)  $62 \text{ cm}^2$

Correct Answer: A B C D

Explanation:

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What is the total surface area of this prism?



(A)  $48 \text{ cm}^2$       (B)  $24 \text{ cm}^2$   
 (C)  $72 \text{ cm}^2$       (D)  $66 \text{ cm}^2$

Correct Answer: A B C D

Explanation:

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