



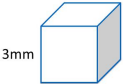
# Volume and Surface Area - 6 - Quiz B

Name: .....

Date: .....

**WhiteRoseMaths**

What is the volume of this cube?



3mm

A 27mm<sup>3</sup>    B 3mm<sup>3</sup>    C 9mm<sup>3</sup>    D Not enough information

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Correct Answer: A B C D

Explanation:

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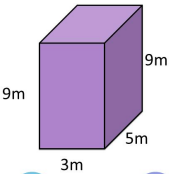
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**WhiteRoseMaths**



9m    9m    5m    3m

The dimensions of this cuboid are given.  
What would the volume be?

A 27m<sup>3</sup>    B 243m<sup>3</sup>    C 1,215m<sup>3</sup>    D 135m<sup>3</sup>

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Correct Answer: A B C D

Explanation:

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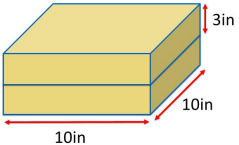
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**WhiteRoseMaths**



3in    10in    10in

Two pizza boxes are stacked together as shown.  
What would be the total surface area of these boxes?

A 320 in<sup>2</sup>    B 300 in<sup>2</sup>    C 440 in<sup>2</sup>    D 600 in<sup>2</sup>

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Correct Answer: A B C D

Explanation:

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**WhiteRoseMaths**

5m  $25m^2$  3m  
48m<sup>2</sup> ?

What is the missing length in this diagram?

A 6m      B 16m      C 9.6m      D 23m

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Correct Answer: A B C D

Explanation:

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**WhiteRoseMaths**

2cm 10cm  
4cm

A company sells pencils in packs of six. These are sent in a box with dimensions 30cm by 40cm by 30cm. How many packs of pencils fit into the box?

A 3600      B 80      C 450      D 60

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Correct Answer: A B C D

Explanation:

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**WhiteRoseMaths**

Here is a square cuboid.  
What is the formula for the surface area of this shape?

A  $b \times b \times 3 = 3b^2$

B  $b \times b + 2(a \times b) = b^2 + 2ab$

C  $2(b \times b) + 4(a \times b) = 2b^2 + 4ab$

D  $b \times b \times 6 = 6b^2$

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Correct Answer: A B C D

Explanation:

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