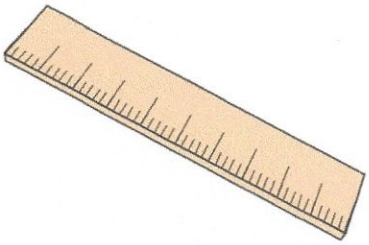
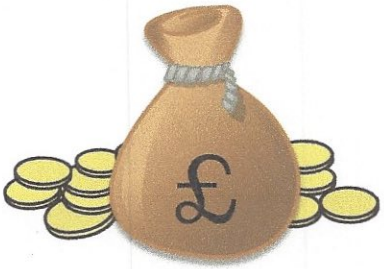
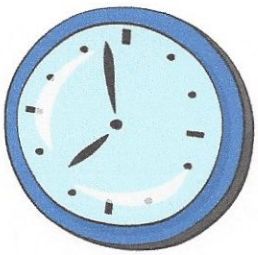
Primary Practice Questions

Corbettmaths





Volume of a Cube
Volume of a Cuboid



Tips

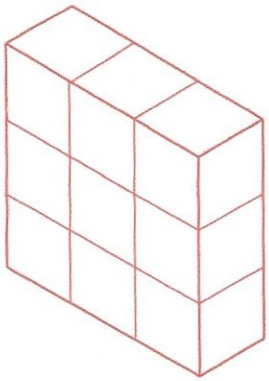
- Read each question carefully
- Attempt every question.
- Check your answers seem right.
- Always show your workings

Recap

Remember

- There are daily questions found at
  www.corbettmaths.com/5-a-day/primary

1. Each cube has a volume of $1cm^3$



Write down the volume of the cuboid

9 cm^3

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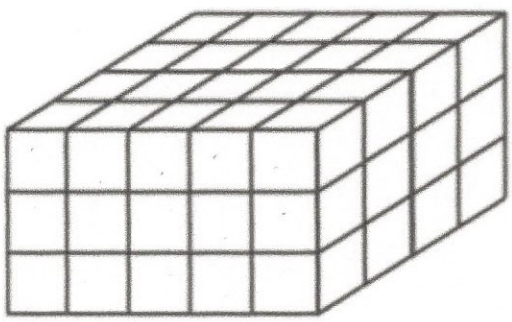
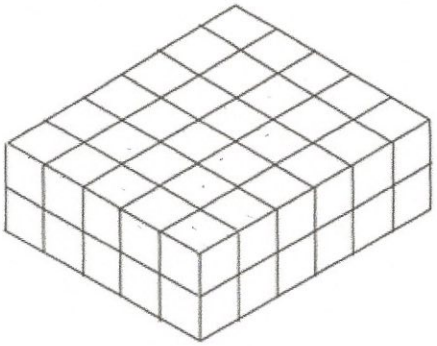
2. Each cube has a volume of $1cm^3$



Write down the volume of the cuboid

60 cm^3

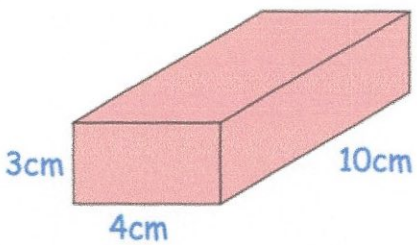
3. Each cube has a volume of $1cm^3$



Write down the volume of the cuboid

60 cm^3

4.



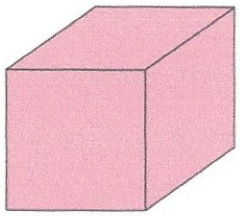
Work out the volume of this cuboid

$3 \times 4 = 12$

12×10

120 cm^3

5.

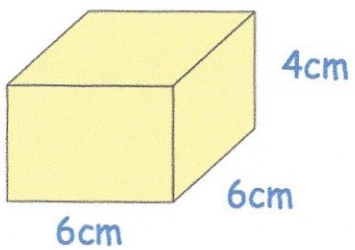


Work out the volume of this cube

$3 \times 3 \times 3$

27 cm³

6.



Work out the volume of this cuboid

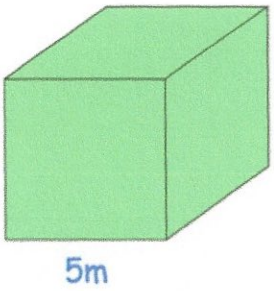
$6 \times 6 = 36$

$36 \times 4 = 144$

$$\begin{array}{r} 36 \\ \times\ 4 \\ \hline 144 \\ {\scriptstyle 2} \end{array}$$

144 cm³

7.



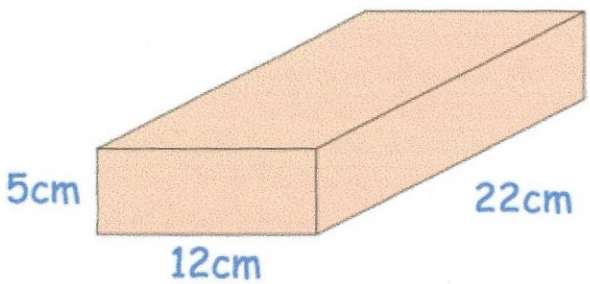
Work out the volume of this cube

$5 \times 5 = 25$

$25 \times 5 = 125$

125 m^3

8.



Work out the volume of this cuboid

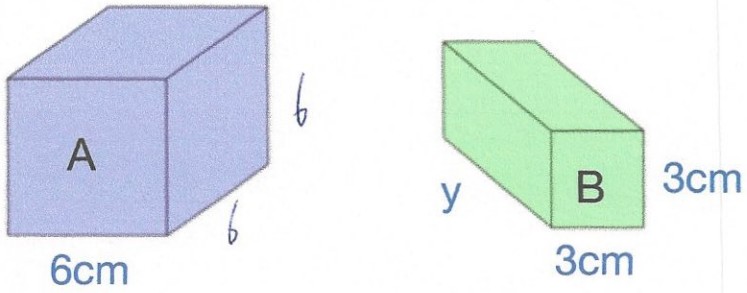
$5 \times 12 = 60$

$60 \times 22 =$

$$\begin{array}{r} 60 \\ \times\ 22 \\ \hline 120 \\ +1200 \\ \hline 1320 \end{array}$$

1320 cm^3

9. Cube A and cuboid B have the same volume.



Calculate the missing length on the cuboid, y

$6 \times 6 = 36$

(A) $36 \times 6 = 216$

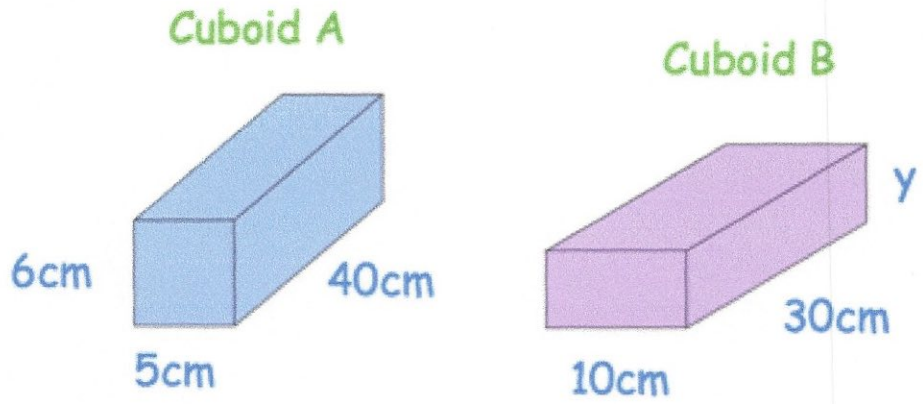
$$\begin{array}{r} 36 \\ \times\ 6 \\ \hline 216 \end{array}$$

(B) $3 \times 3 = 9$

$$9\overline{)216} = 24$$

24 cm

10. Cuboid A and Cuboid B have the same volume



Calculate the missing height of the cuboid B

Cuboid A

$6 \times 5 = 30$

$30 \times 40 = 1200 cm^3$

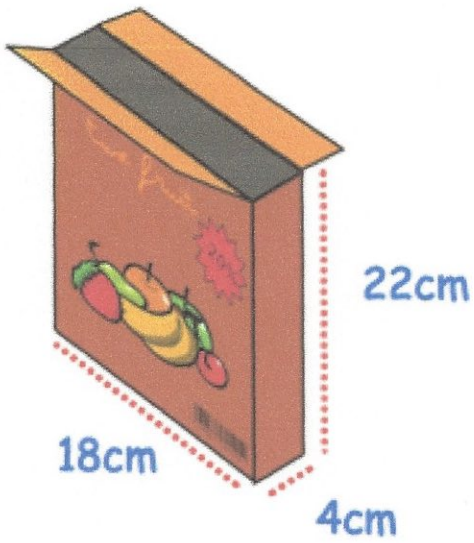
B

$10 \times 30 = 300$

$1200 \div 300 = 4$

4 cm

11. A box has a length of 18 centimetres, a width of 4 centimetres and a height of 22 centimetres.



Work out the volume of the box

$$\begin{array}{r} 22 \\ \times\ 18 \\ \hline 176 \\ +220 \\ \hline 396 \end{array}$$

$$\begin{array}{r} 396 \\ \times\ 4 \\ \hline 1584 \end{array}$$

1584 cm³

12. Here is a drawing of a cube on an isometric grid.

Draw a cuboid that has **half** the volume of the cube