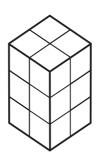
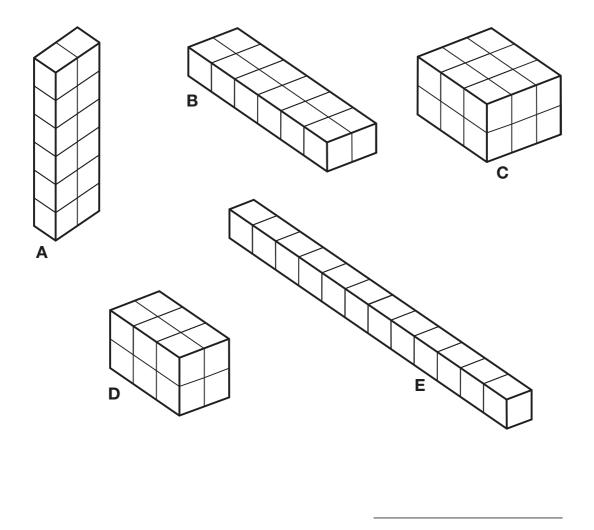
# KS2 SATS PRACTICE QUESTIONS BY TOPIC

Emma makes a cuboid using 12 cubes.

[2016]



Write the letter of the cuboid that has a **different** volume from Emma's cuboid.

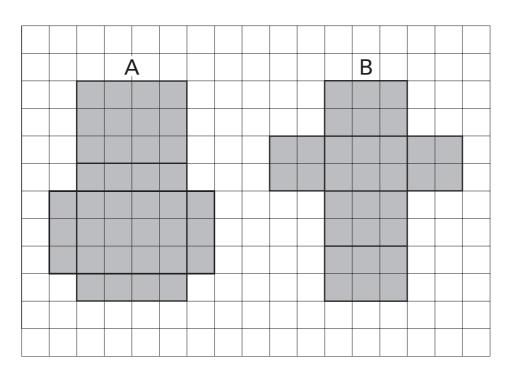


[1 mark]

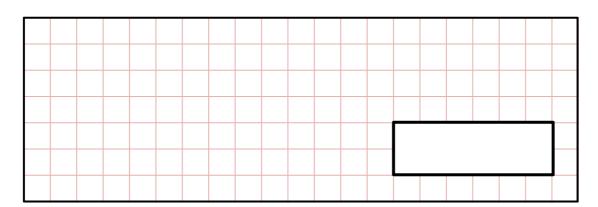
2

The squared paper shows the nets of cuboid A and cuboid B.

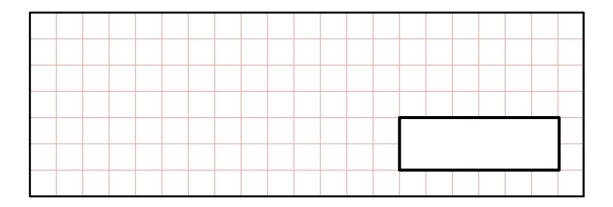
[Extra]



#### Calculate the volume of cuboid A.



## Calculate the volume of cuboid B.



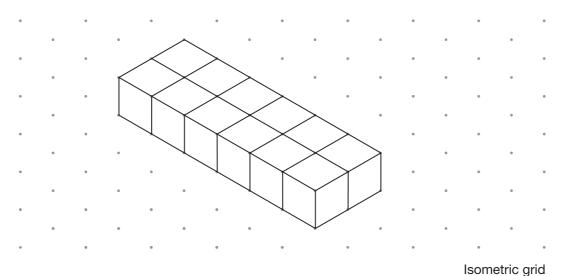
[2 marks]



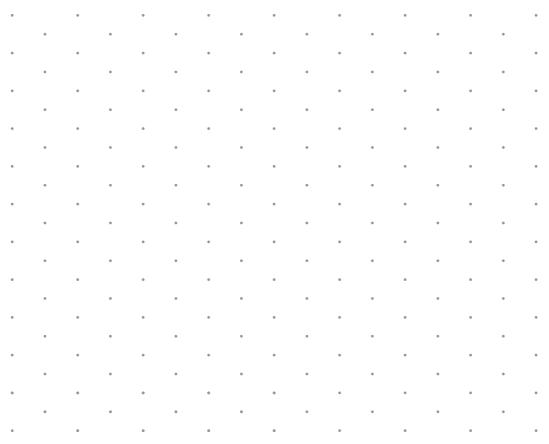
Look at the cuboid drawn on the grid.

[Extra]

It is made from 12 cubes.



On the grid below, draw a **different** cuboid made from 12 cubes.



Isometric grid

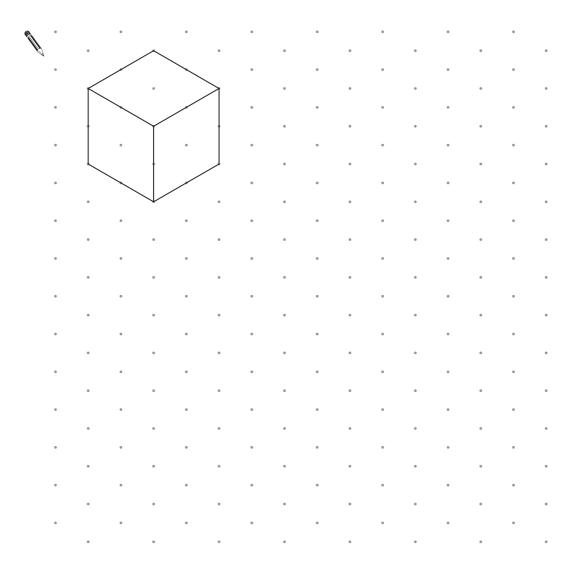
[2 marks]

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

[Extra]

## Draw a cuboid that has:

- the **same** volume
- half the height.



[2 marks]

5

You can make only six different cuboids with 24 cubes.

[Extra]

Complete the table to show the dimensions.

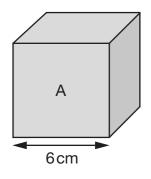
	Dimensions				
Cuboid <b>E</b>	1	1	24		
Cuboid <b>F</b>	1	2	12		
Cuboid <b>G</b>					
Cuboid <b>H</b>					
Cuboid I					
Cuboid <b>J</b>					

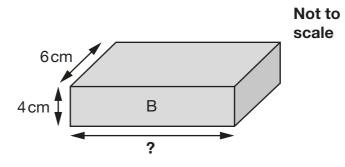
[2 marks]

6

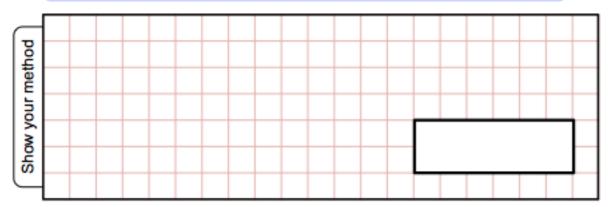
Cube A and cuboid B have the same volume.

[2017]





Calculate the missing length on  ${\bf cuboid}\ {\bf B}.$ 





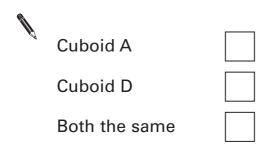
You can make only four different cuboids with 16 cubes.

[Fytra]		
	Exten	1
LAMA		I

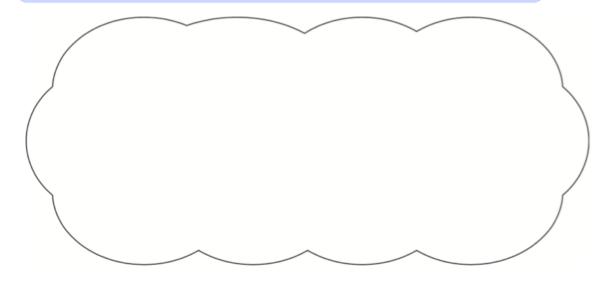
	Dimensions		
Cuboid A	1	1	16
Cuboid B	1	2	8
Cuboid C	1	4	4
Cuboid <b>D</b>	2	2	4

#### Which of the cuboids **A** and **D** has the larger surface area?

Tick ( $\checkmark$ ) the correct answer below.

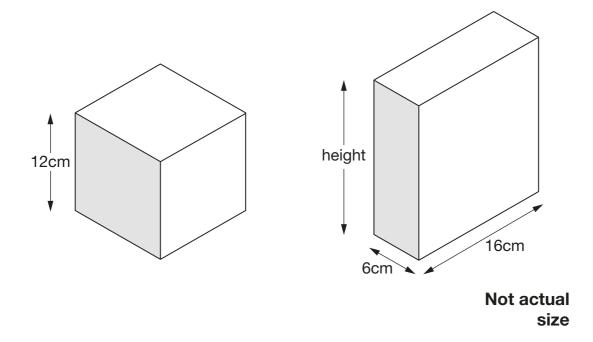


## Explain how you know.

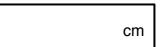


The cube and cuboid have **equal volumes**.

[Extra]



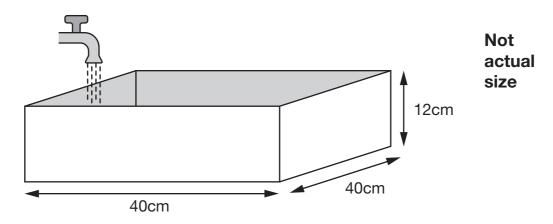
Calculate the height of the cuboid.



9

Every second, 300cm<sup>3</sup> of water comes out of a tap into a cuboid tank.

[Extra]



The base of the tank is 40cm by 40cm

The height is **12cm** 

How many seconds does it take to fill the tank?

Seconds