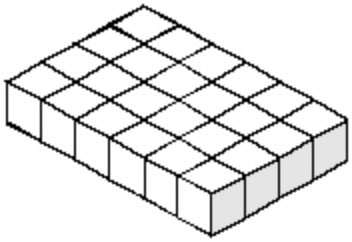
1. **Making cuboids**

Terry has **24** centimetre cubes.

He uses them to make a cuboid that is one cube high.

1 cm	high
4 cm	wide
6 cm	long



Tina has **24** centimetre cubes.

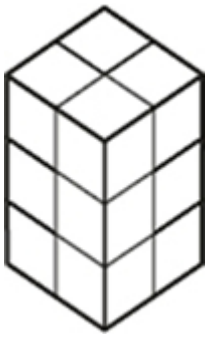
She uses them to make a solid cuboid that is **two cubes high**.

Complete the table to show what the dimensions of her cuboid might be.

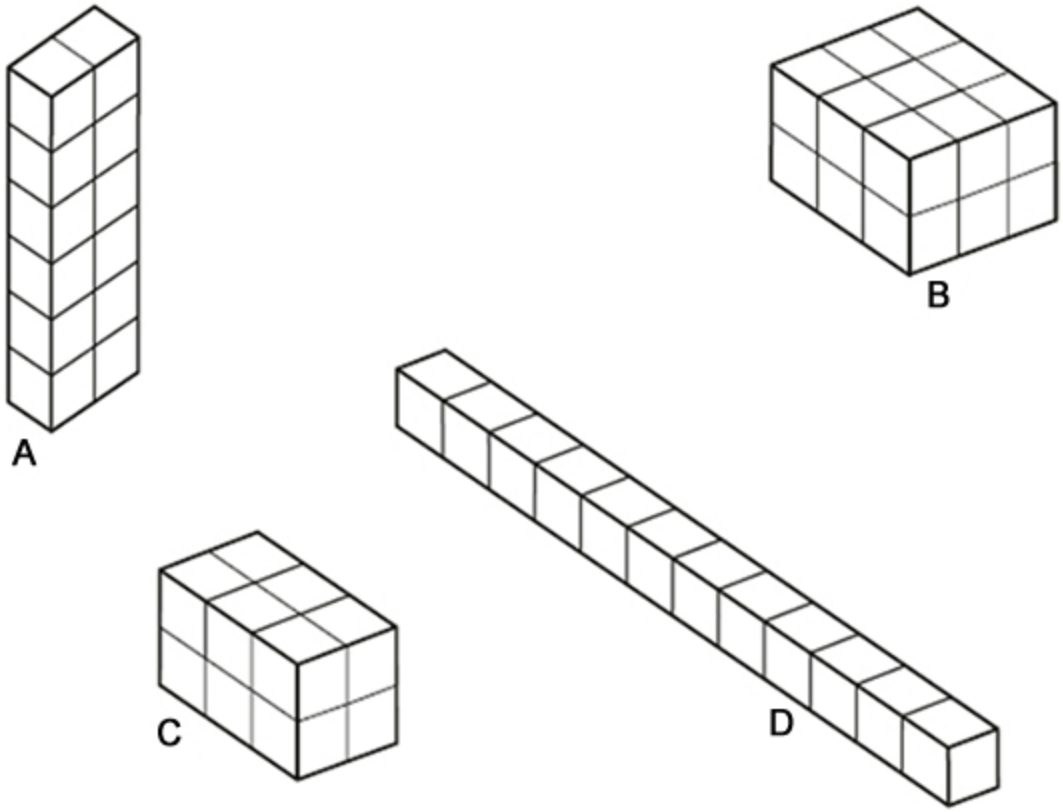
2 cm	high
___ cm	wide
___ cm	long

1 mark

2. Emma makes a cuboid using 12 cubes.

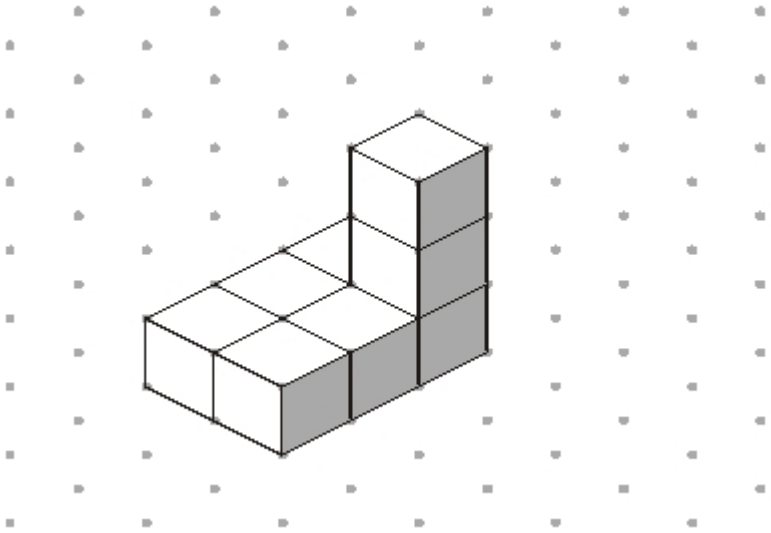


Tick **all** the cuboids below that have the **same** volume as Emma's cuboid.

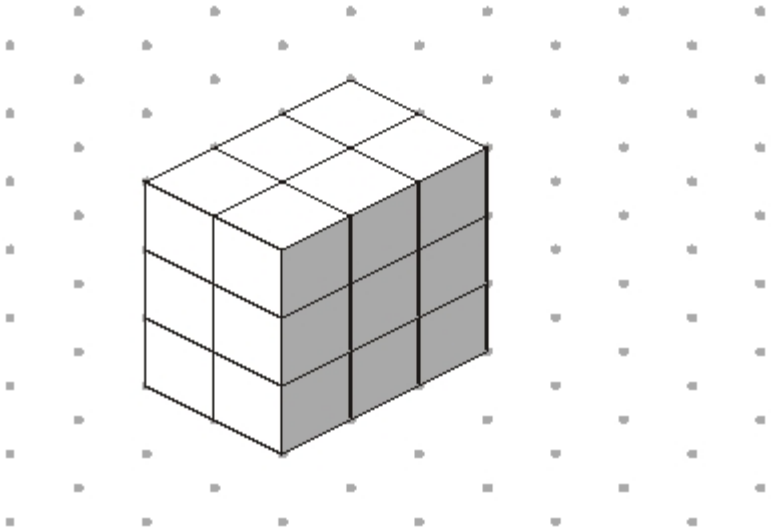


1 mark

3. Sam uses 8 cubes to make this shape.



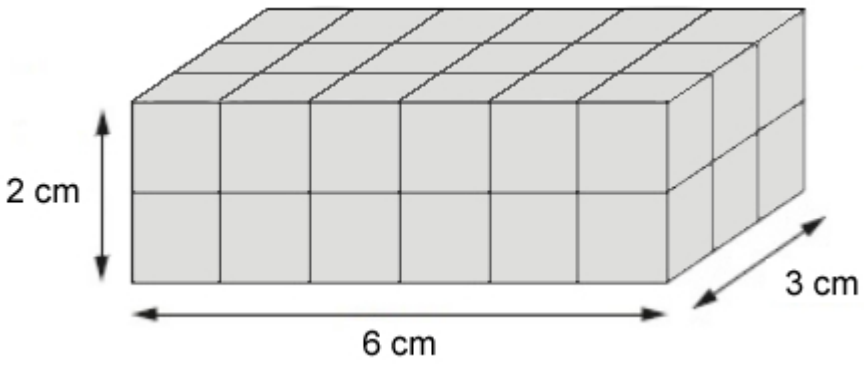
He adds more cubes to make this cuboid.



How many **more** cubes does he add to make this cuboid?

1 mark

4. This cuboid is made from centimetre cubes.



It is 6 centimetres by 2 centimetres by 3 centimetres.

What is the **volume** of the cuboid?

cm^3

1 mark

Another cuboid is made from centimeter cubes.

It has a volume of **40 cubic centimetres**.

What could the **length**, **height** and **width** be?

length ☐ cm

height ☐ cm

width ☐ cm

1 mark

Mark schemes

1. Gives two numbers that multiply together to make 12, eg

- 12, 1
- 4, 3
- 2, 6

[1]

2. A, C, D

All three needed for the mark.

[1]

3. 10

[1]

4. (a) 36 (cm^3)

1

(b) Any three numbers which multiply to make 40 (in any order), e.g.
length = 5
height = 4
width = 2

Other correct dimensions are:
40, 1, 1
20, 2, 1
10, 4, 1
8, 5, 1

Accept 8, 2½, 2

1

[2]