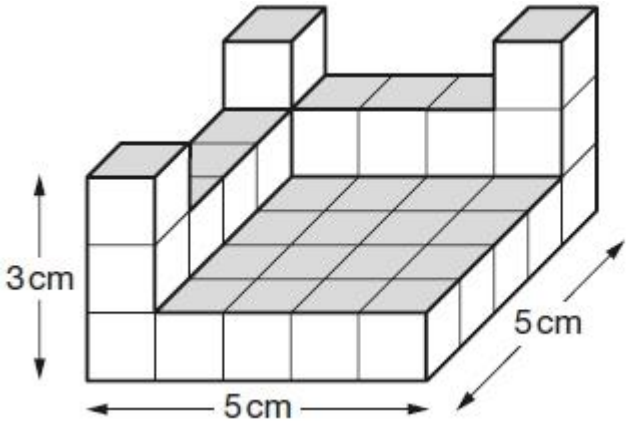
Q1. This shape is made of wooden centimetre cubes.

How many **more** centimetre cubes are needed to make it into a solid cuboid 3 cm tall, 5 cm long and 5 cm wide?



Not actual size

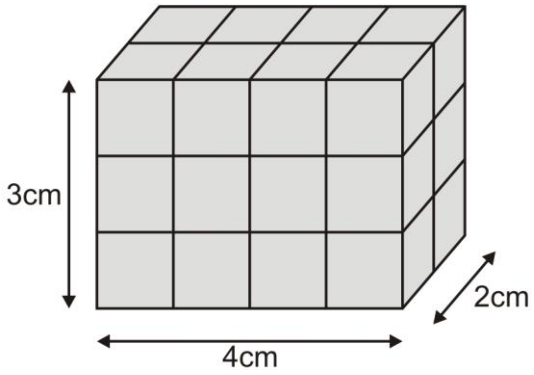
1 mark

Q2. This cuboid is made from centimetre cubes.

It is 4 centimetres by 3 centimetres by 2 centimetres.

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

cm



1 mark

Another cuboid is made from centimere cubes. It has a volume of **30 cubic centimetres**. What could the **length**, **height** and **width** be?

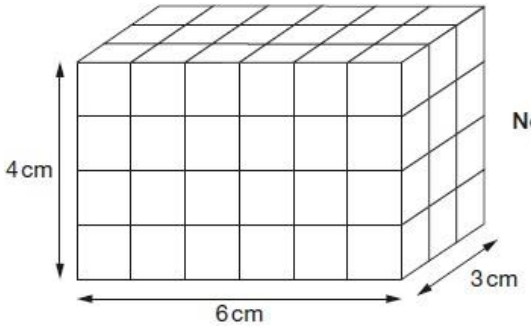
length cm³ height cm³ width cm³

1 mark

Q3. Amina made this cuboid using centimetre cubes.

Stefan makes a cuboid that is 5 cm longer, 5 cm taller and 5 cm wider than Amina's cuboid.

What is the **difference** between the number of cubes in Amina's and Stefan's cuboids?

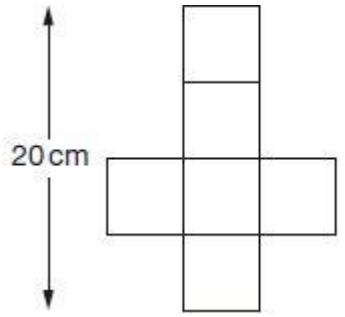


Not actual size

Show your method

cubes

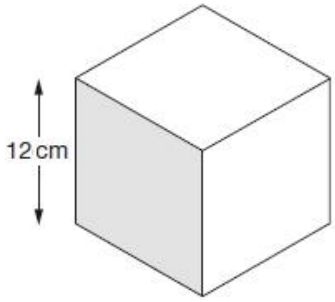
Q4. This is the net of a cube. What is the **volume** of the cube?

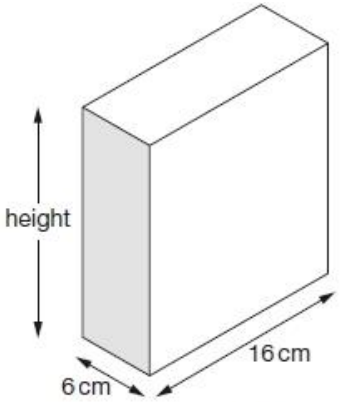


Not actual size

cm^3

Q5. The cube and cuboid have **equal volumes**. Calculate the height of the cuboid.





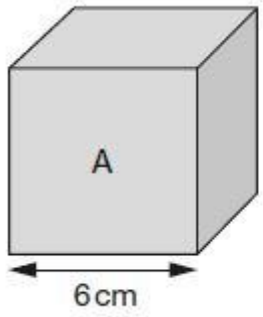
Not actual size

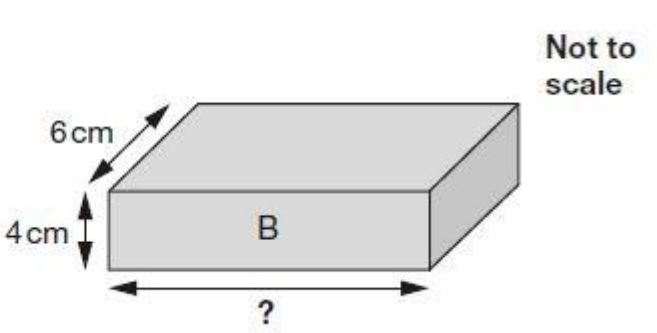
Show your method

cm

2 marks

Q6. Cube A and cuboid B have the same volume. Calculate the missing length on cuboid B.

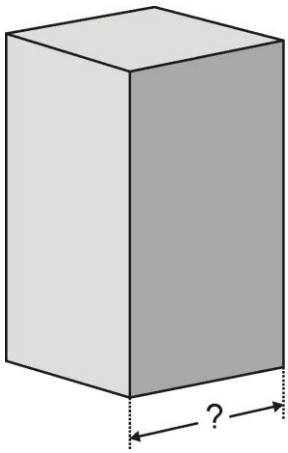




Show your method

cm

Q7. A cuboid has a **square base**. It is **twice as tall** as it is **wide**. Its volume is **250 cubic centimetres**.



Not actual size

Calculate the **width** of the cuboid.

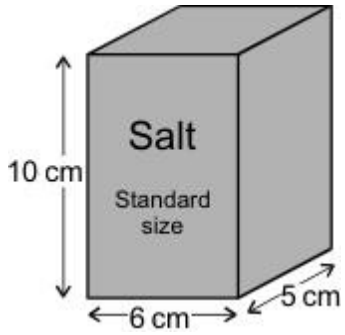
Show your method

cm

2 mark

Q8. Salt

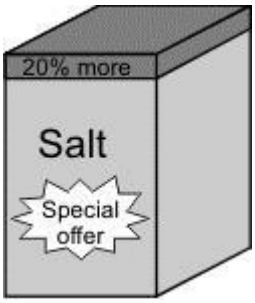
(a) What is the volume of this **standard size** box of salt?



cm^3

1 mark

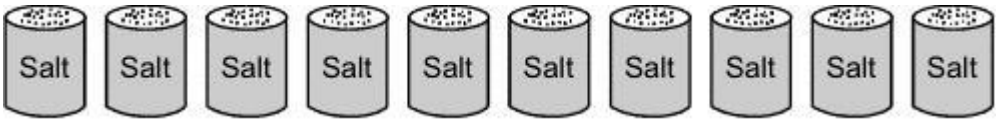
(b) What is the volume of this **special offer** box of salt, which is **20% bigger**?



cm^3

2 marks

The **standard size** box contains enough salt to fill up **10** salt pots



(c) How many salt pots may be filled up from the **special offer** box of salt?

1 mark