Name:

Exam Style Questions

Volume of a Cube
Volume of a Cuboid

Corbettmaths

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

Guidance

1. Read each question carefully before you begin answering it.
2. Don't spend too long on one question.
3. Attempt every question.
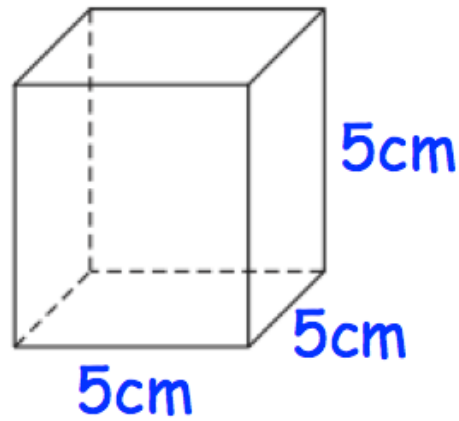4. Check your answers seem right.
5. Always show your workings

Revision for this topic

Secondary

Video 355

1. Shown below is a cube of side 5cm.

5cm

5cm

5cm

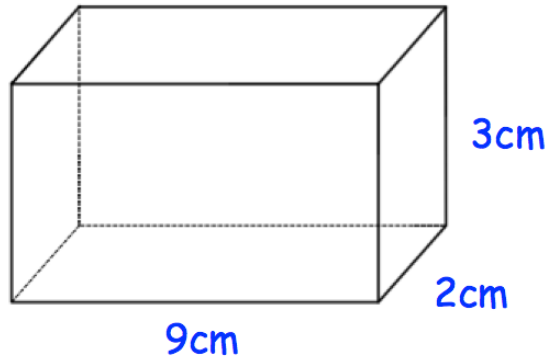Work out the volume of the cube.
State the units of your answer.

....
(2)

2. Calculate the volume of a cube with side length 6cm.
State the units of your answer.

....
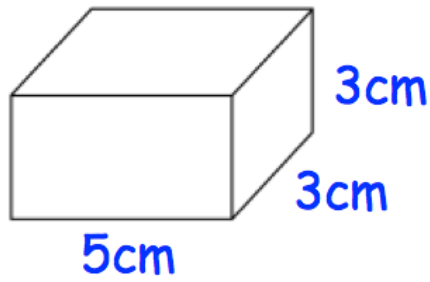**(2)**

3.   Shown below is a solid cuboid.

3cm

2cm

9cm

Work out the volume of the cuboid.

........................cm³

(2)

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4.   Here is a cuboid.

3cm

3cm

5cm

Work out the volume of the cuboid.

........................cm³

(2)

5.

7cm
11cm
11cm
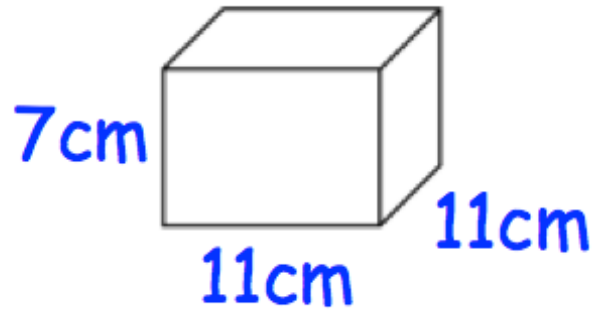
Work out the volume of this cuboid.
State the units of your answer.

....
(2)

6.

2.5cm
1.8cm
4.2cm
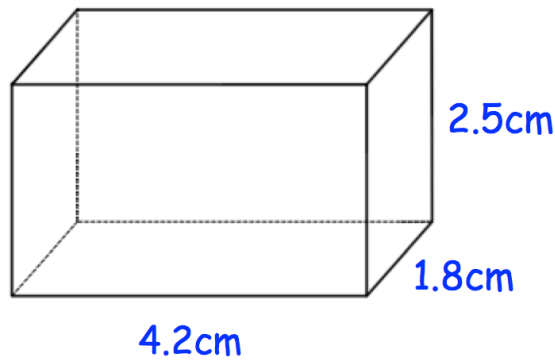
Work out the volume of this cuboid.
State the units of your answer.

....
(2)

7.   A cuboid is drawn below.

y

3cm

7cm
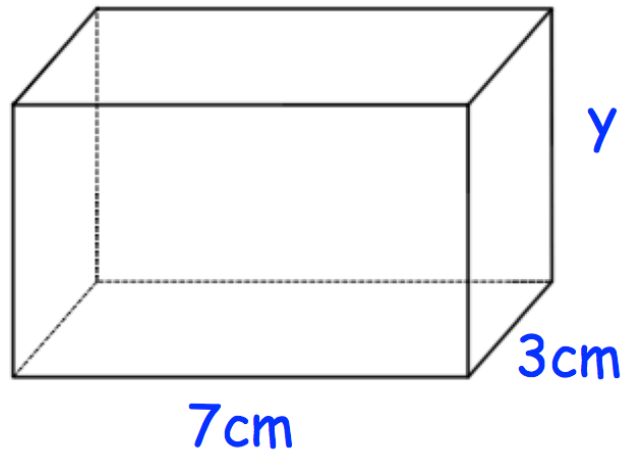
The volume of the cuboid is 105cm³.
Find y.

...............................cm

(2)

8.

10cm

9cm

y
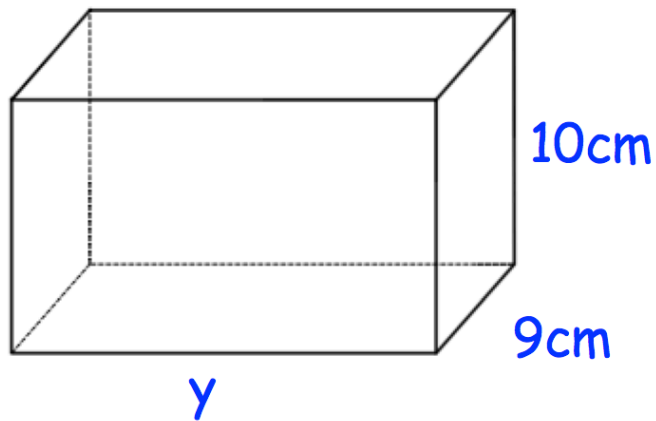
The volume of the cuboid is 2700cm³.
Find y.

...............................cm

(2)

9. A cube is shown below.
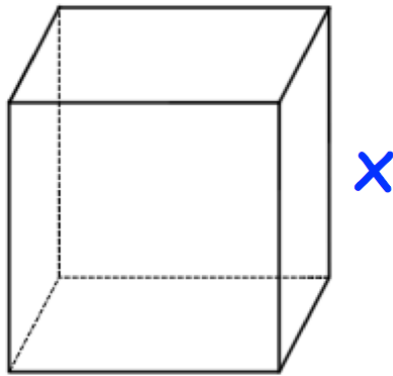
The volume of the cube is 27cm³.
Find x.

...............................cm

(2)

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10. Shown below are two cuboids.

2cm
4cm
7cm

2cm
1cm
y
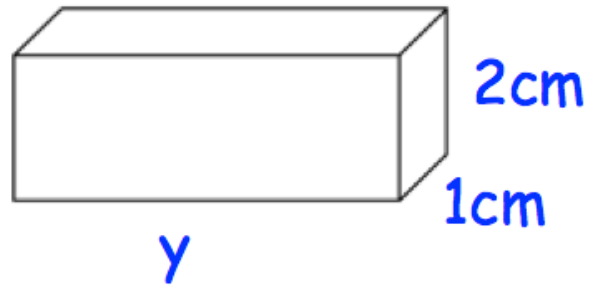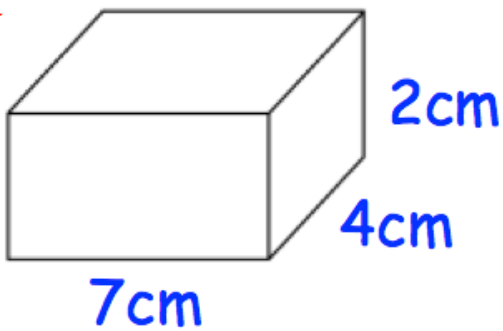
Both cuboids have the same volume.

Find y.

...............................cm

(3)

11. Shown below is a cereal box.

22cm

18cm

4cm
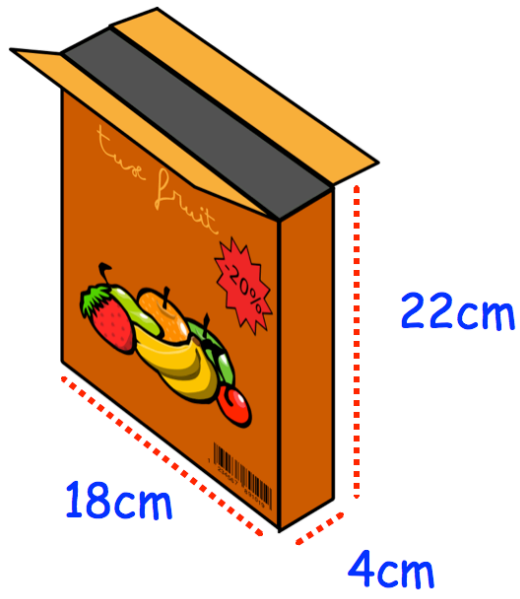
Calculate the volume of the box.

.........................cm³

(2)

12.   A carton of milk is shown below.
       The carton is in the shape of a cuboid.
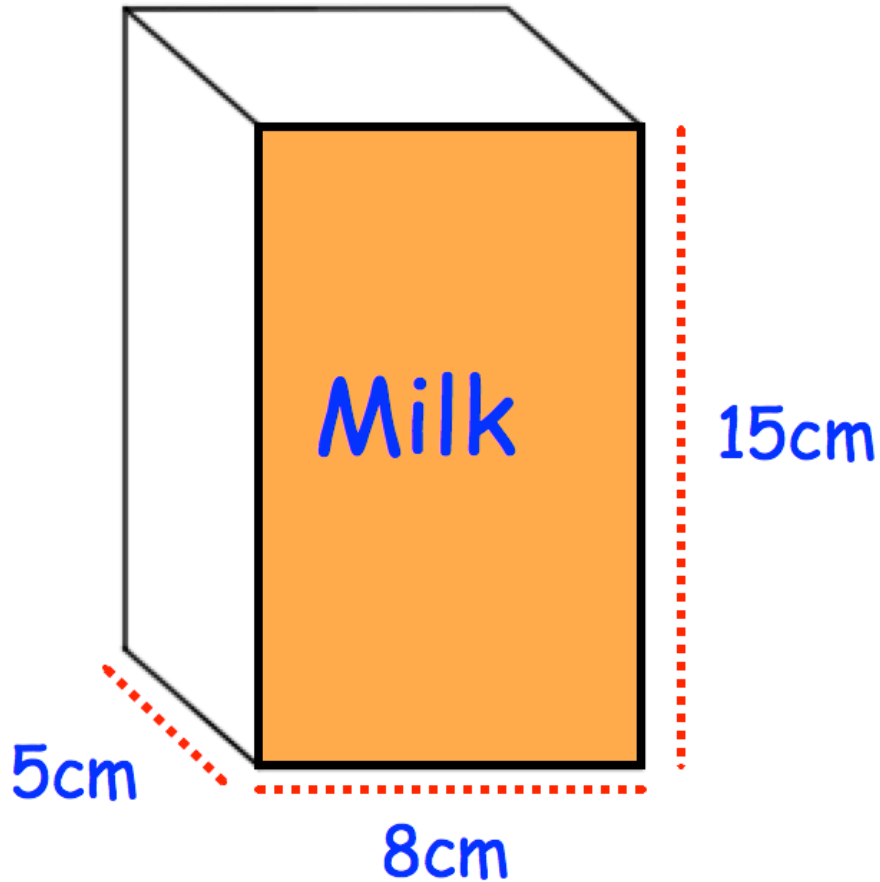
The depth of the milk in the carton is 12cm.

The carton is turned so that it stands on the shaded (orange) face.

Work out the depth of the milk now.

........................cm

(3)

13. A cuboid has a volume of 135cm³.
The area of the base of the cuboid is 15cm².

Work out the height of the cuboid.

........................cm

(2)