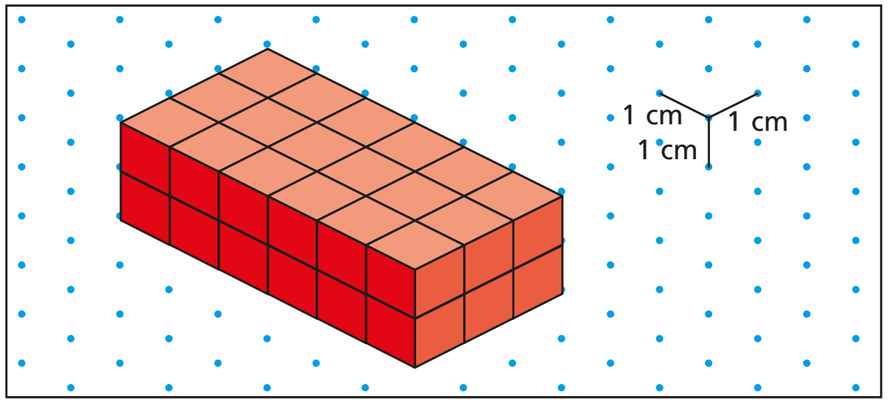
Volume of a cuboid

1 Here is a cuboid made up of cubes.

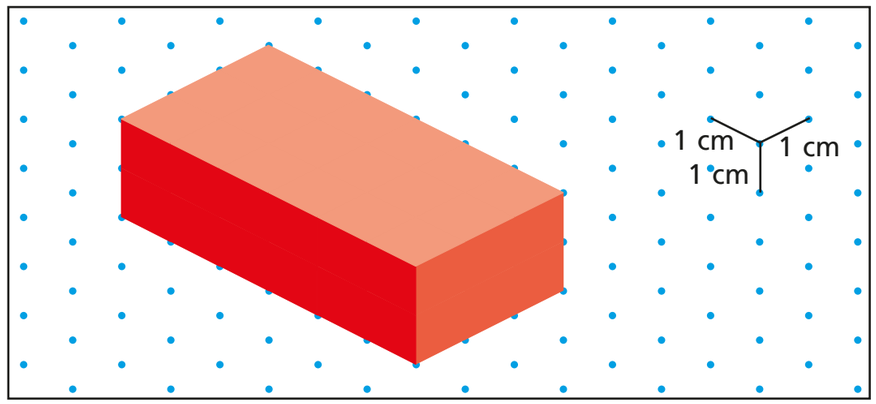


a) What is the volume of the cuboid?

volume = 36 cm³

b) Explain your method for finding the volume.

c) What is the volume of this cuboid?



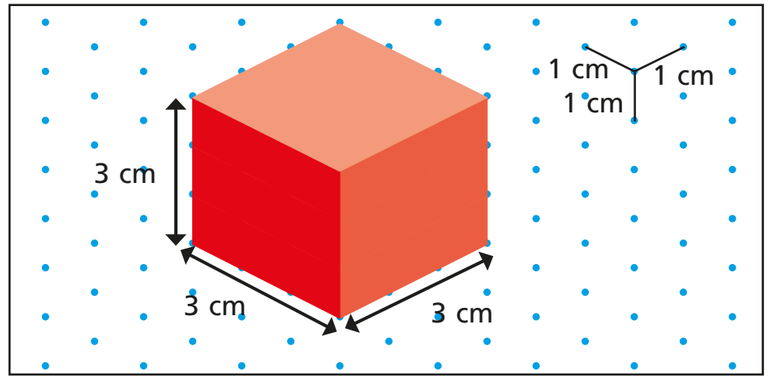
volume = 36 cm³

d) What is the same and what is different about the cuboids?

2 Find the volume of the cuboids.

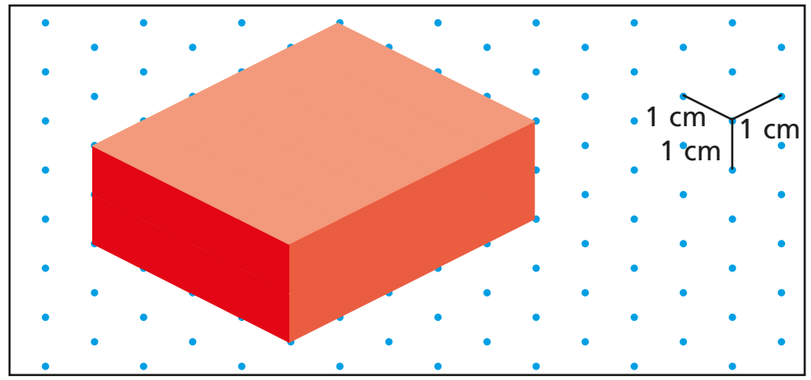
You can make them with cubes if it helps.

a)



volume = 27 cm³

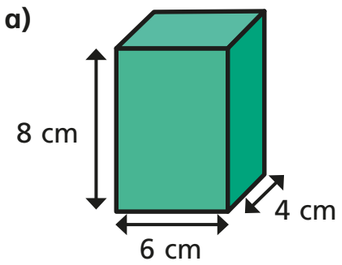
b)



volume = 40 cm³

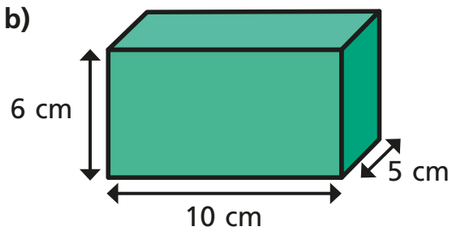
3 Calculate the volumes of the cuboids.

a)



volume = 192 cm³

b)

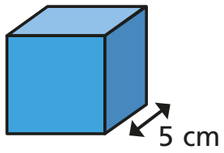


volume = 300 cm³

© White Rose Maths 2019

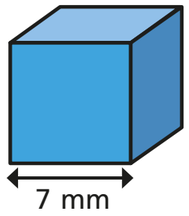
4 Calculate the volumes of the cubes.

a)



volume = 125 cm³

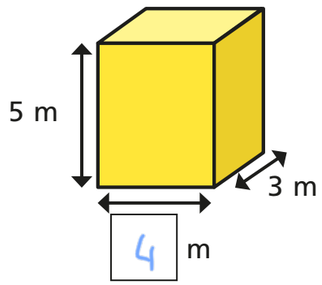
b)



volume = 343 mm³

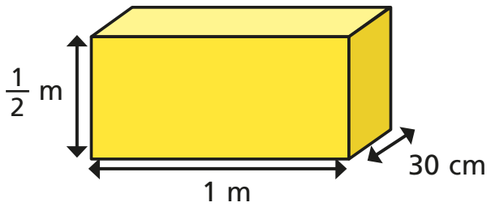
5 The volume of the cuboid is 60 m³

Find the missing length.



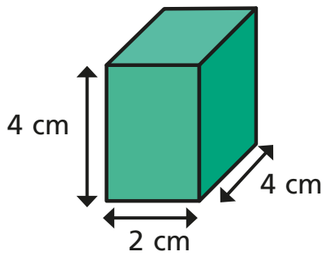
4 m

6 Calculate the volume of the cuboid.

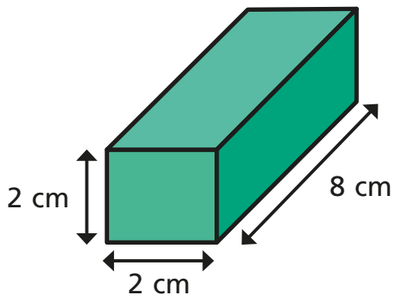


volume = 150,600 cm³

7 **a)** Calculate the volumes of the two cuboids.



32 cm³

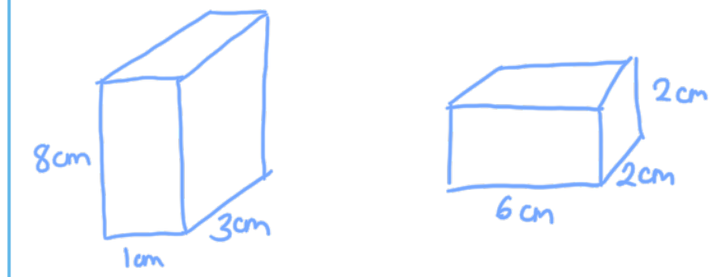


32 cm³

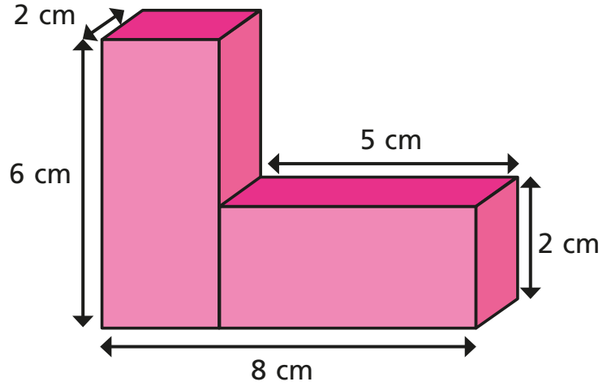
What do you notice?

b) Draw two different cuboids that have a volume of 24 cm³

e.g.



8 Calculate the total volume of the shape.



volume = 56 cm³

Was there another method you could have used?

© White Rose Maths 2019