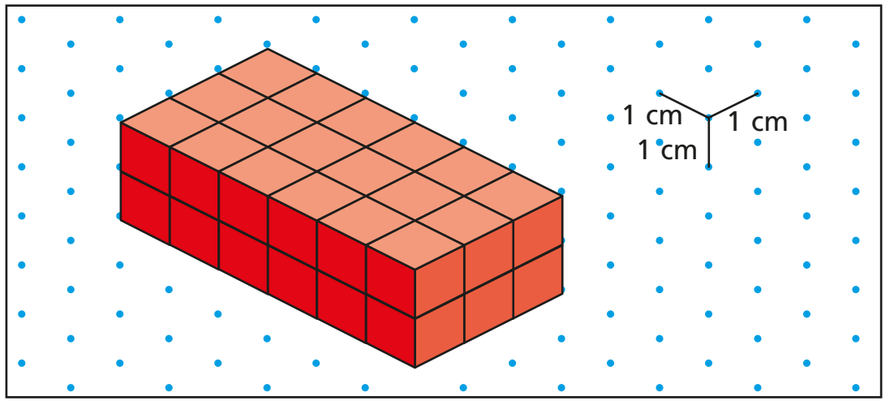
Volume of a cuboid

1 Here is a cuboid made up of cubes.

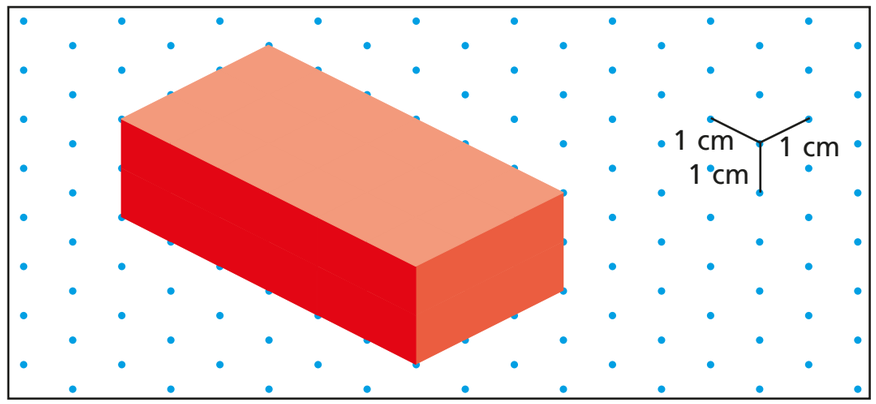


a) What is the volume of the cuboid?

volume = ☐ cm^3

b) Explain your method for finding the volume.

c) What is the volume of this cuboid?



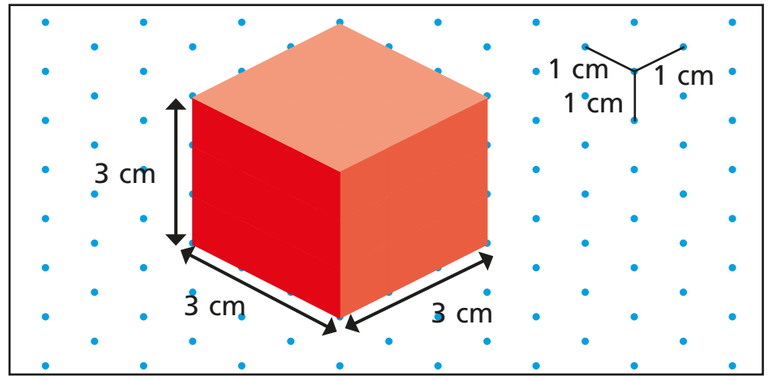
volume = ☐ cm^3

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

2 Find the volume of the cuboids.

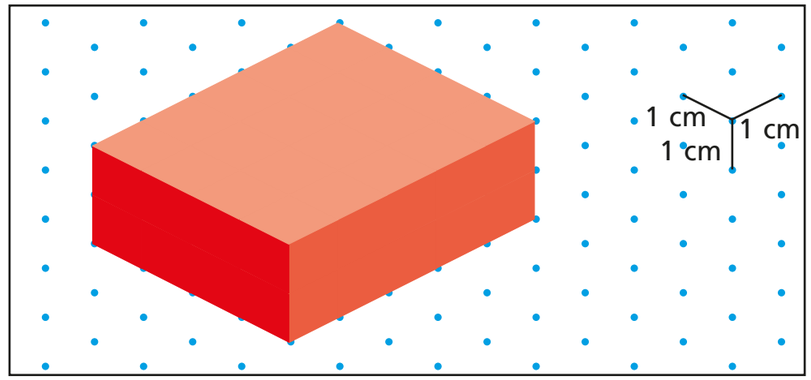
You can make them with cubes if it helps.

a)



volume = ☐ cm^3

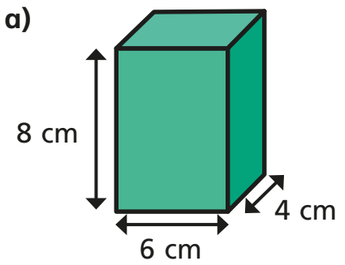
b)



volume = ☐ cm^3

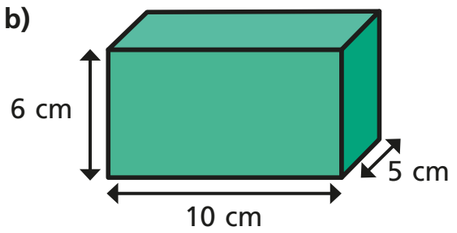
3 Calculate the volumes of the cuboids.

a)



volume = ☐ cm^3

b)

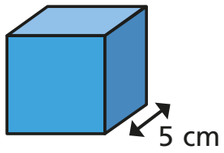


volume = ☐ cm^3

© White Rose Maths 2019

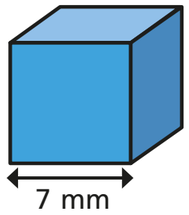
4 Calculate the volumes of the cubes.

a)



volume = ☐ cm^3

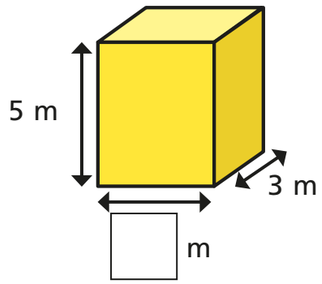
b)



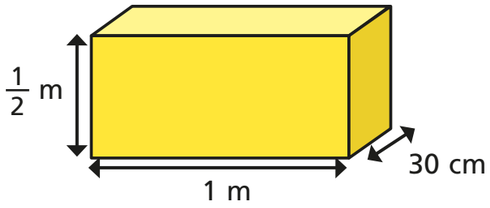
volume = ☐ mm^3

5 The volume of the cuboid is 60 m^3

Find the missing length.

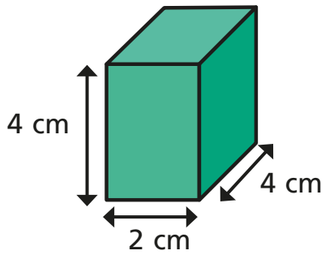


6 Calculate the volume of the cuboid.

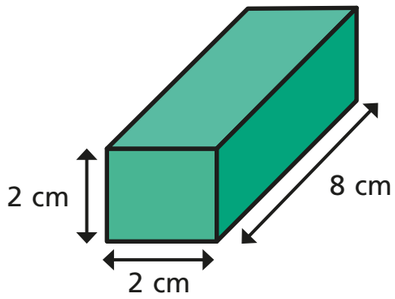


volume = ☐ cm^3

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



☐ cm^3

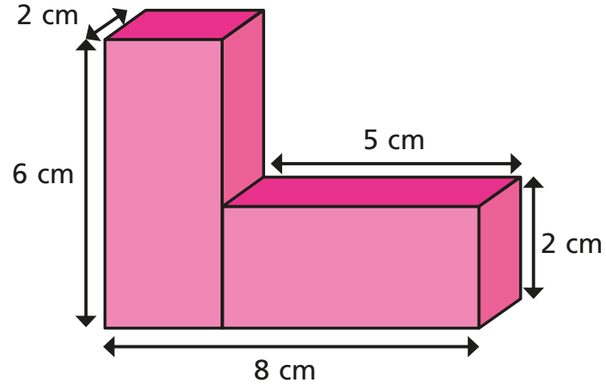


☐ cm^3

What do you notice?

b) Draw two different cuboids that have a volume of 24 cm^3

8 Calculate the total volume of the shape.



volume = ☐ cm^3

Was there another method you could have used?

© White Rose Maths 2019