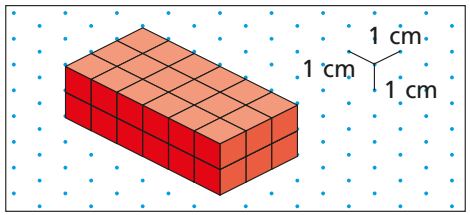
Volume of a cuboid

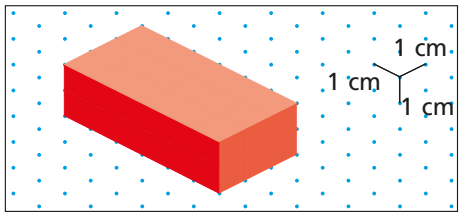
1 Here is a cuboid made up of cubes.



a) What is the volume of the cuboid?

b) Explain your method for finding the volume.

c) What is the volume of this cuboid?

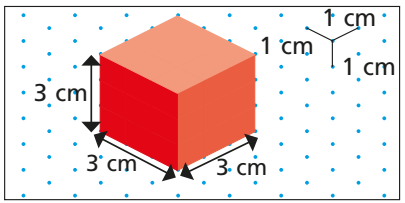


d) What is the same and what is different about the cuboids?

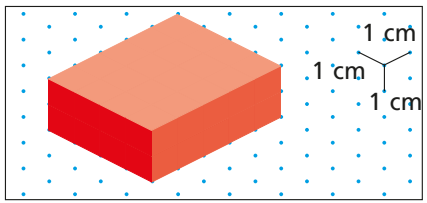
2 Find the volume of the cuboids.

You can make them with cubes if it helps.

a)

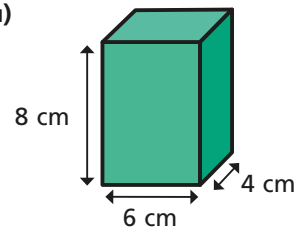


b)

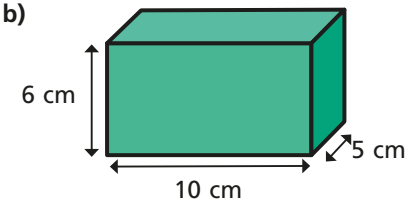


3 Calculate the volumes of the cuboids.

a)

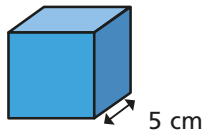


b)

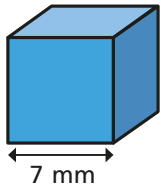


4 Calculate the volumes of the cubes.

a)

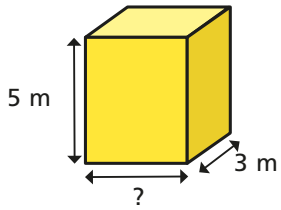


b)

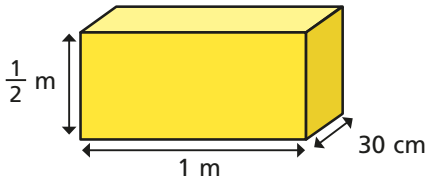


5 The volume of the cuboid is 60 m^3

Find the missing length.



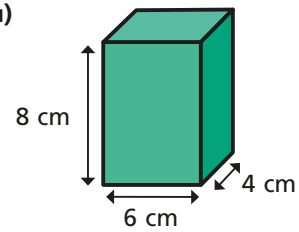
6 Calculate the volume of the cuboid?



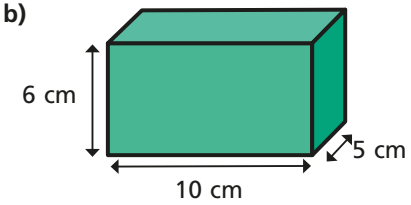
Volume of a cuboid

3 Calculate the volumes of the cuboids.

a)

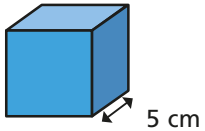


b)

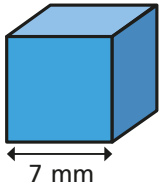


4 Calculate the volumes of the cubes.

a)

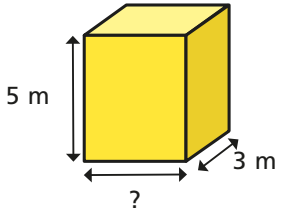


b)

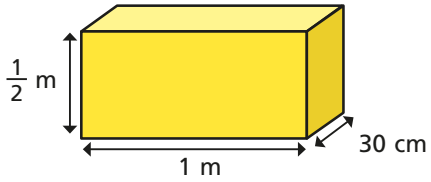


5 The volume of the cuboid is 60 m^3

Find the missing length.

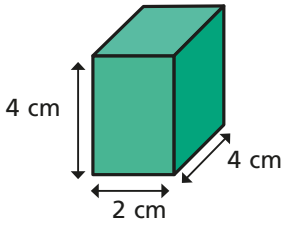


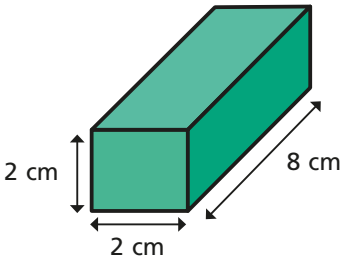
6 Calculate the volume of the cuboid?



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

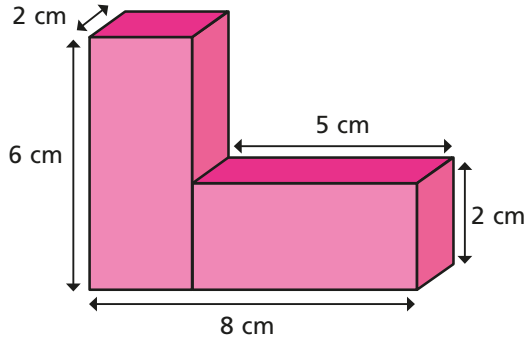
What do you notice?





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

8 Calculate the total volume of the shape.



Was there another method you could have used?