

# Volume of a cuboid



1 a) What is the volume of the cuboid?

cm<sup>3</sup>

b) What is the volume of the cuboid?

cm<sup>3</sup>

c) What method did you use to work out the volume of each cuboid?  
What is the same and what is different about the two cuboids?

2 Find the volumes of the cuboids.

You can make them with cubes if it helps.

a)

cm<sup>3</sup>

b)

cm<sup>3</sup>

3 Calculate the volumes of the cuboids.

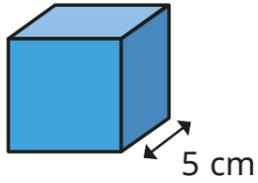
a)

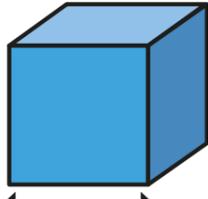
cm<sup>3</sup>

b)

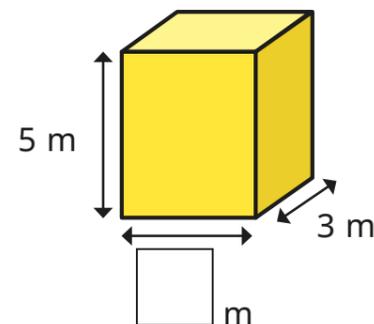
cm<sup>3</sup>

4 Calculate the volumes of the cubes.

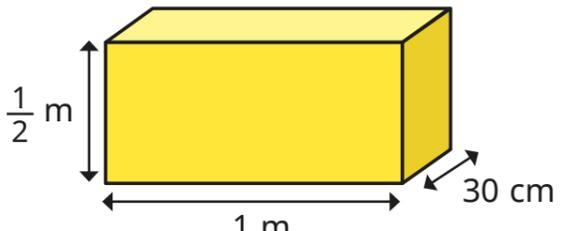
a)   cm<sup>3</sup>

b)   mm<sup>3</sup>

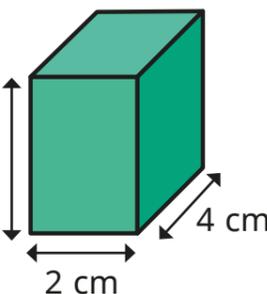
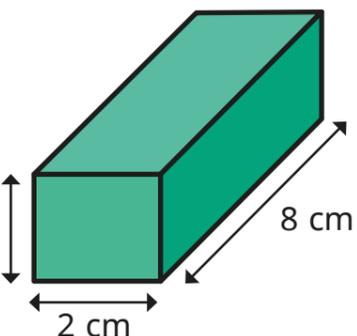
5 The volume of the cuboid is 60 m<sup>3</sup>  
Find the missing length.



6 Calculate the volume of the cuboid.

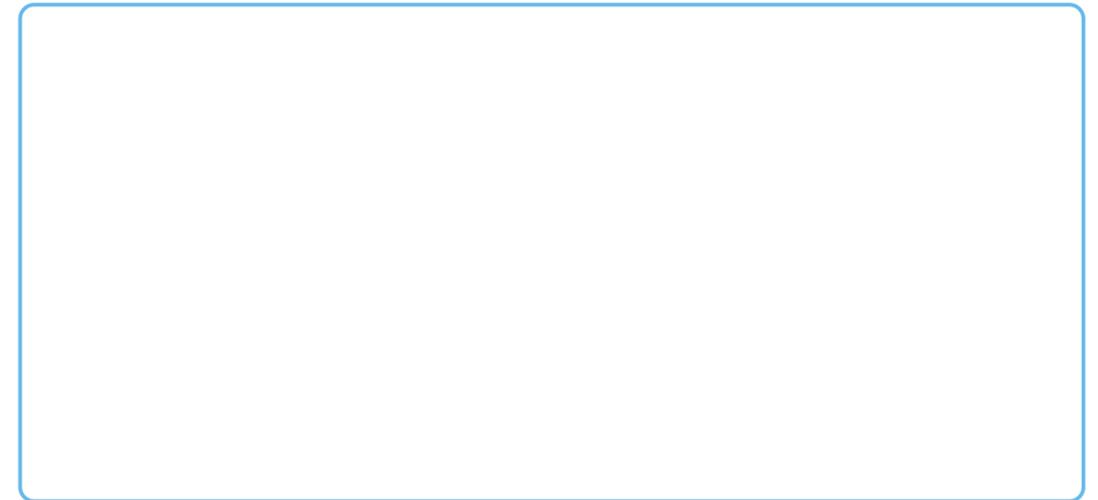
 cm<sup>3</sup>

7 Calculate the volumes of the cuboids.

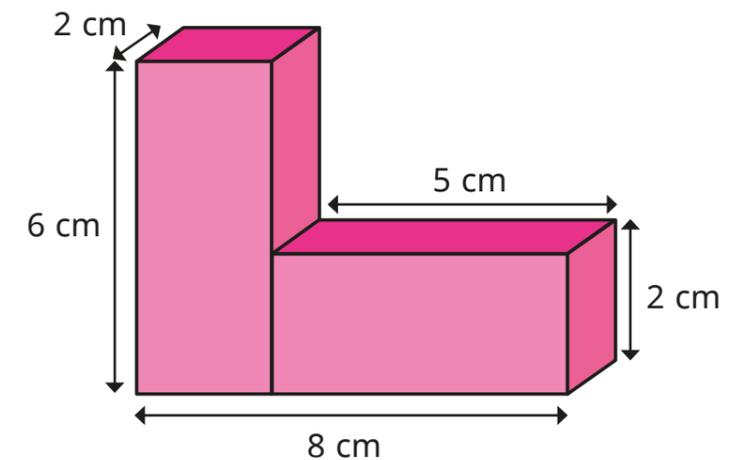
 cm<sup>3</sup> cm<sup>3</sup>

What do you notice?

8 Draw two different cuboids that have a volume of 24 cm<sup>3</sup>



9 Calculate the volume of the compound shape.



cm<sup>3</sup>

Was there another method you could have used?

