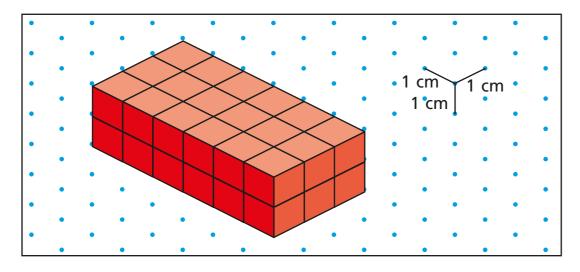
## Volume of a cuboid

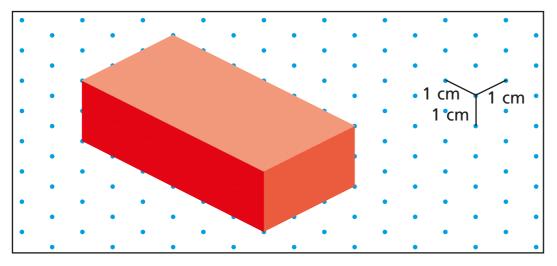


Here is a cuboid made up of cubes.



a) What is the volume of the cuboid?

- **b)** Explain your method for finding the volume.
- c) What is the volume of this cuboid?

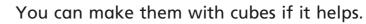


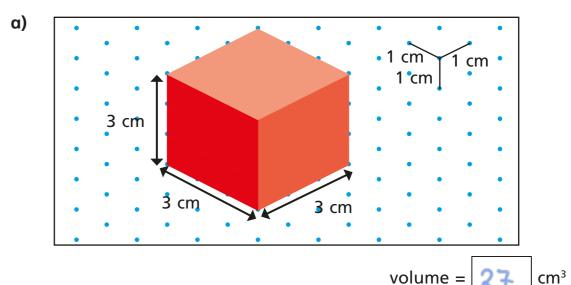
volume = 36 cm<sup>3</sup>

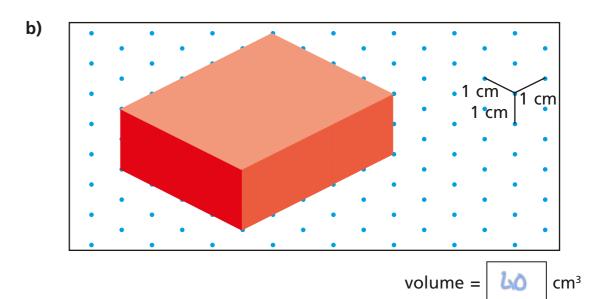
d) What is the same and what is different about the cuboids?



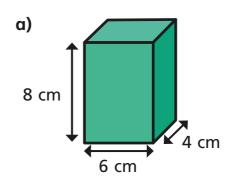
Find the volume of the cuboids.

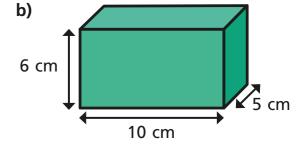






Calculate the volumes of the cuboids.

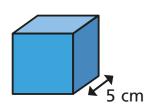




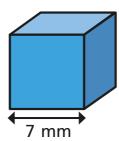
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Calculate the volumes of the cubes.

a)



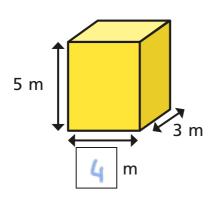
volume = J25 cm<sup>3</sup>



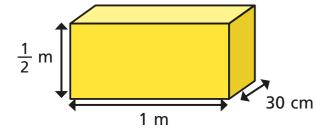
b)

volume = 343 mm<sup>3</sup>

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

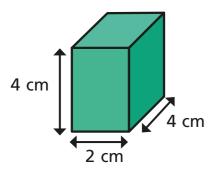


6 Calculate the volume of the cuboid.



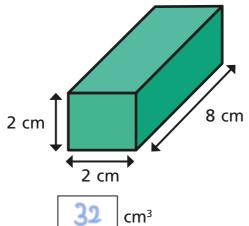
volume = 150,000 cm<sup>3</sup>

7 a) Calculate the volumes of the two cuboids.

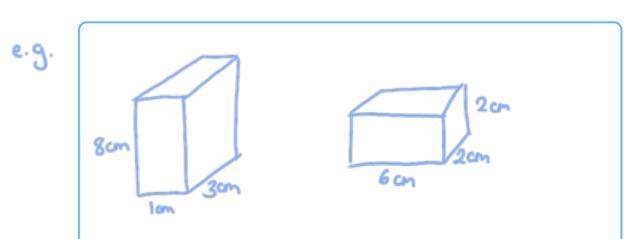


32 cm<sup>3</sup>

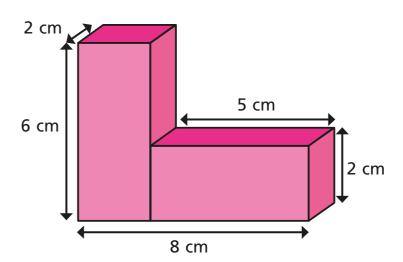
What do you notice?



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



8 Calculate the total volume of the shape.



Was there another method you could have used?





