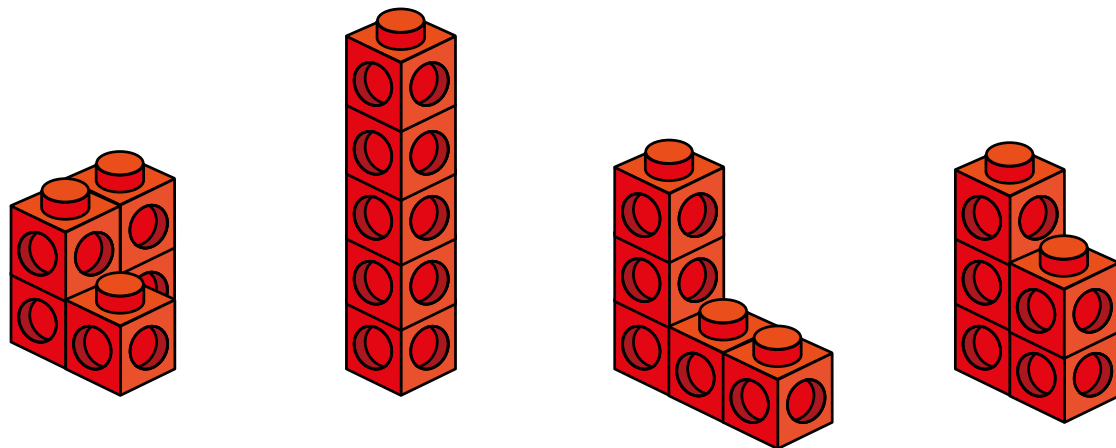


What is volume?



1 Dexter has made some 3D shapes using cubes.



a) What is the same about the 3D shapes he has made?

Compare answers with a partner.

b) What is different about the 3D shapes he has made?

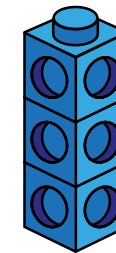
Compare answers with a partner.

c) What is the volume of each of Dexter's 3D shapes?

 cubes

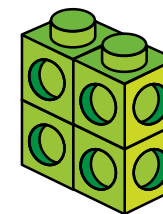
2 What is the volume of each 3D shape?

a)



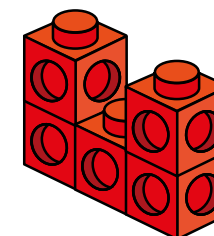
volume = cubes

b)



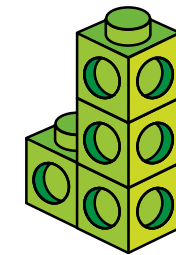
volume = cubes

c)



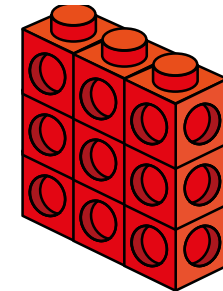
volume = cubes

d)



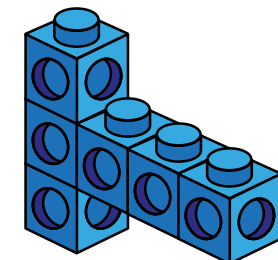
volume = cubes

e)



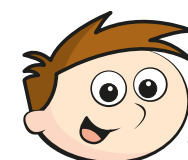
volume = cubes

f)

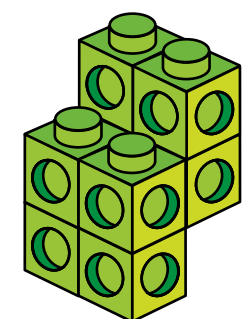


volume = cubes

3



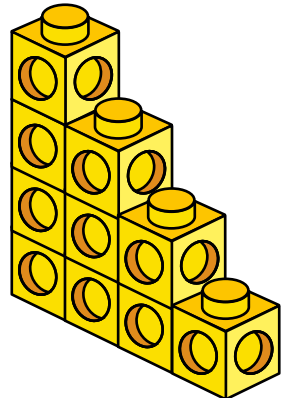
The volume of this shape is 7 cubes.



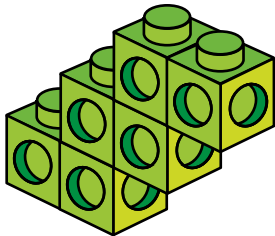
Do you agree with Teddy? _____

Explain your answer.

- 4 Each cube has a volume of 1 cm^3
What is the volume of each shape?

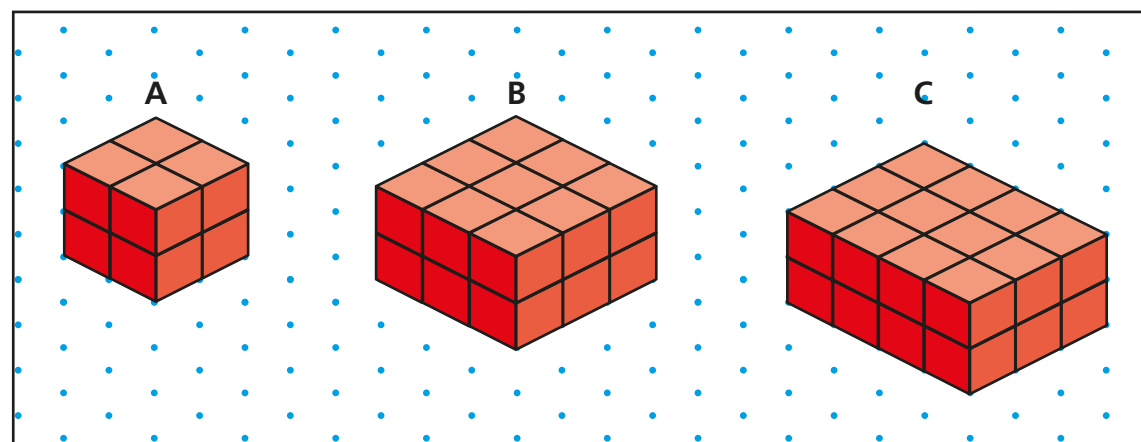
a) 

volume = cm^3

b) 

volume = cm^3

- 5 Three cuboids are drawn on isometric paper.



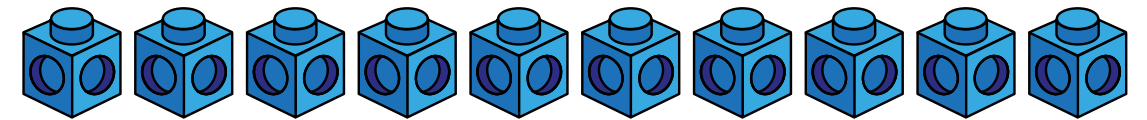
- a) How many cubes are needed to make each cuboid?

A cubes B cubes C cubes

- b) If each cube has a side length of 1 cm , what is the volume of each cuboid?

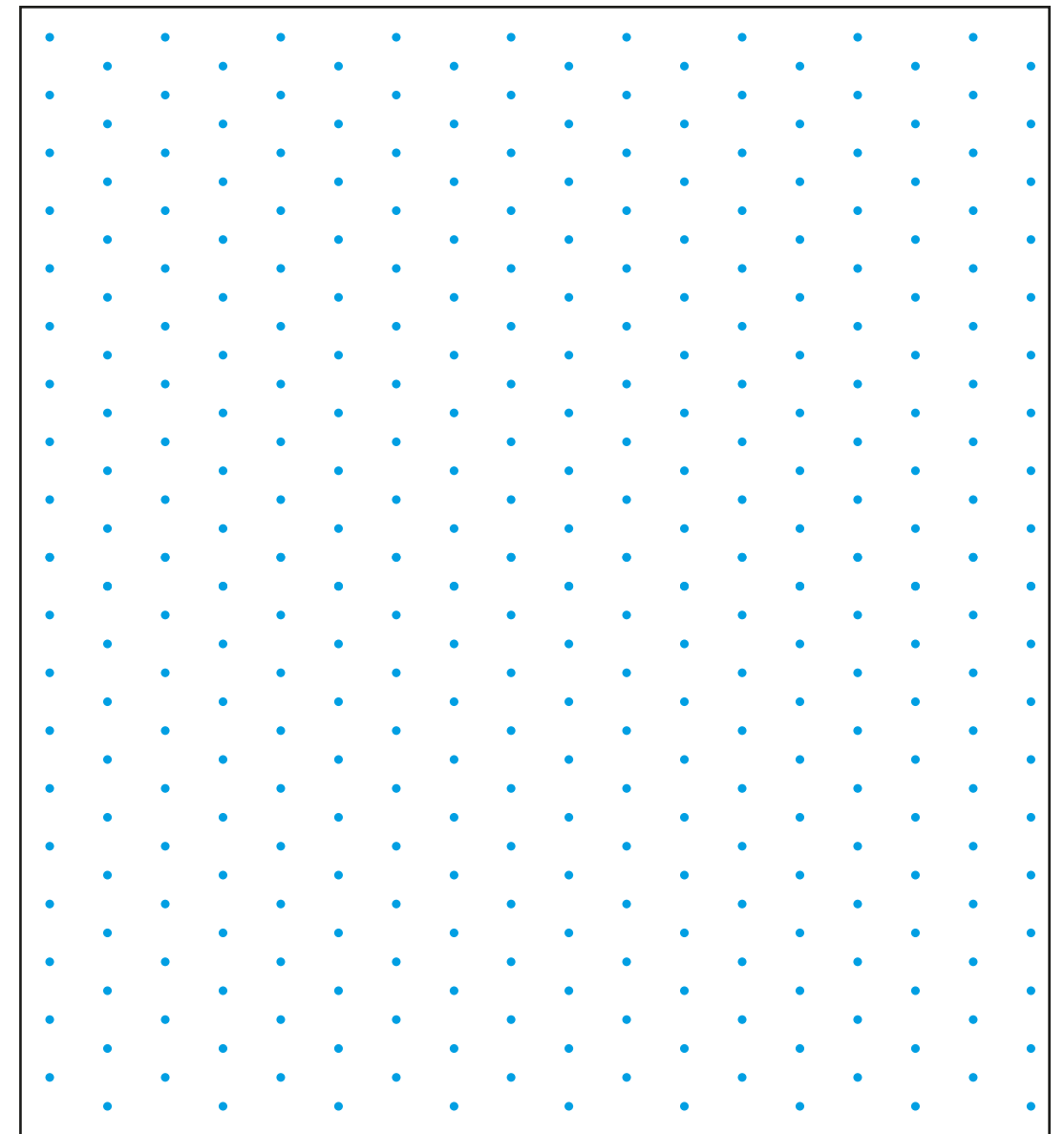
A cm^3 B cm^3 C cm^3

- 6 Ron is making 3D shapes using 10 cubes.



- a) Use cubes to investigate the different shapes Ron can make.

- b) Draw three of your shapes on the isometric paper.



- c) What is the volume of each of your shapes? cubes

- d) Compare answers with a partner.
What is the same and what is different?