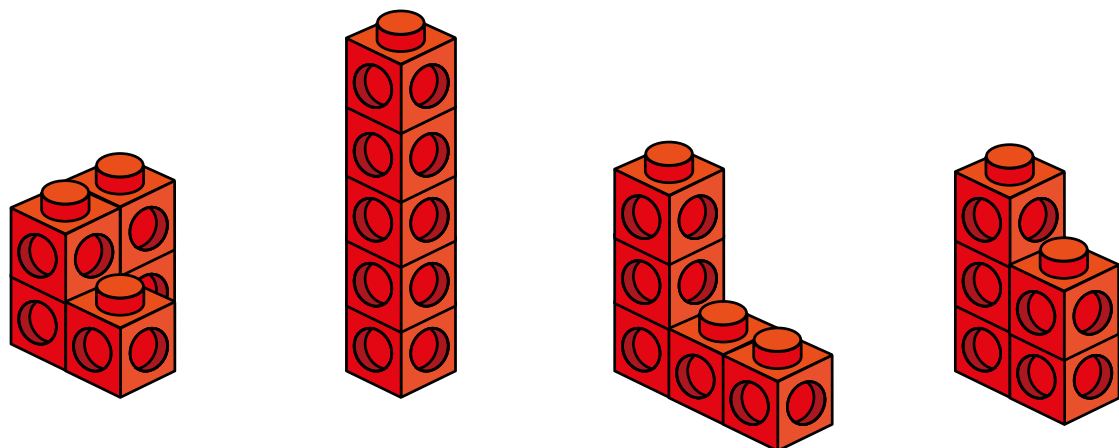


Cubic centimetres



1 Dexter has made some 3-D shapes using cubes.



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

Compare answers with a partner.

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

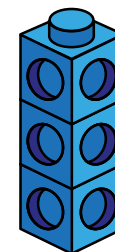
Compare answers with a partner.

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

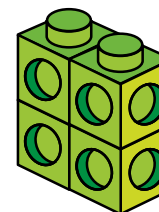
 cubes

2 What is the volume of each 3-D shape?

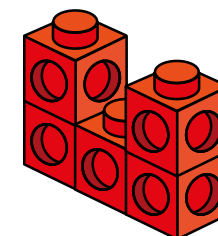
a)


 cubes

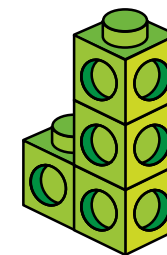
b)


 cubes

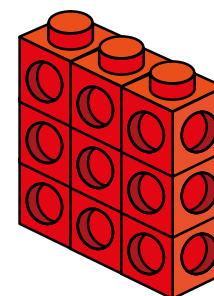
c)


 cubes

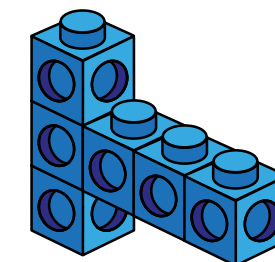
d)


 cubes

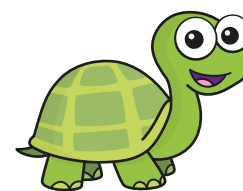
e)


 cubes

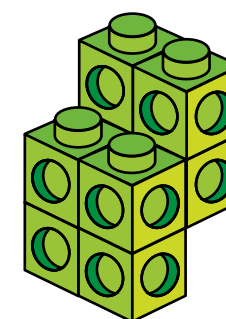
f)


 cubes

3



The volume of this shape is 7 cubes.

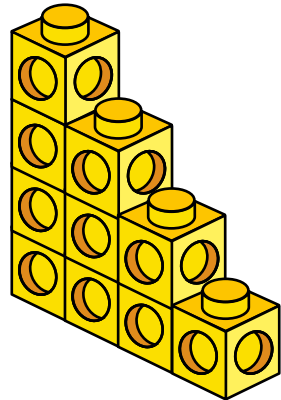


Do you agree with Tiny? _____

Explain your answer.

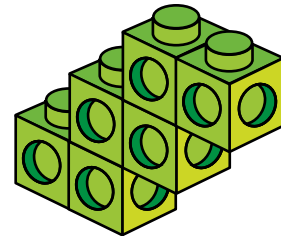
- 4 Each cube has a volume of 1 cm^3
What is the volume of each shape?

a)



cm^3

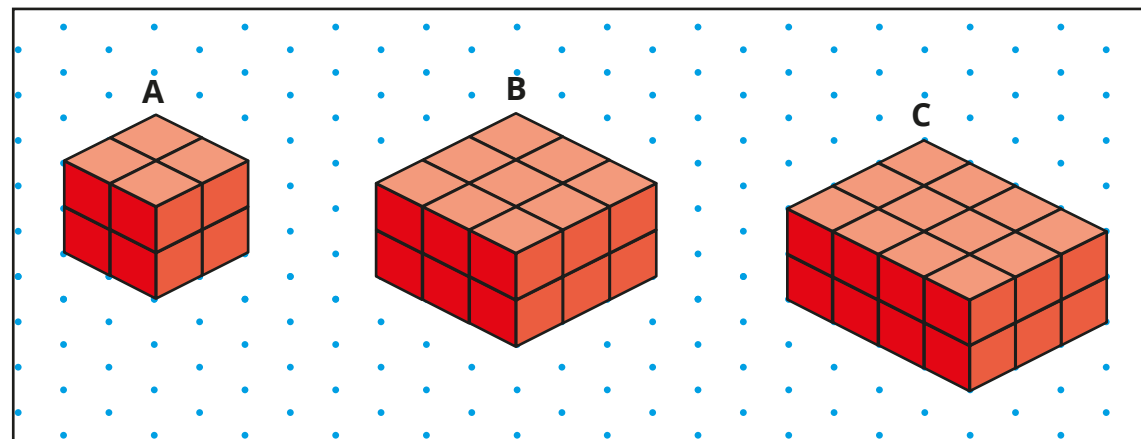
b)



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

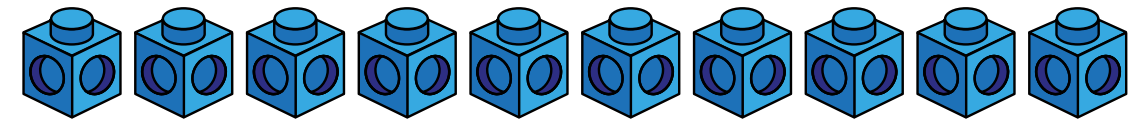
- b) If each cube has a side length of 1 cm , what is the volume of each cuboid?

A cm^3

B cm^3

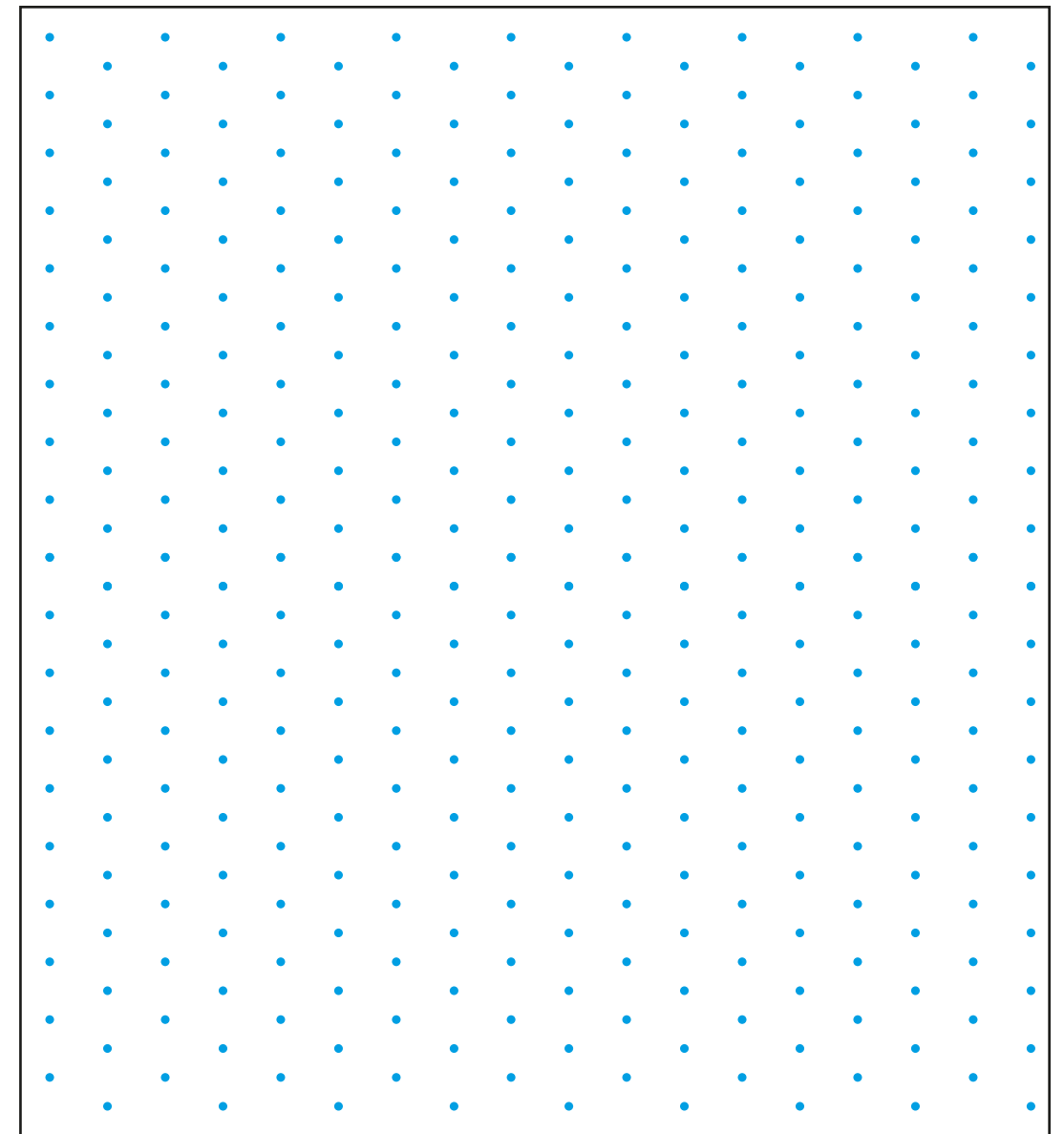
C cm^3

- 6 Ron is making 3-D 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?

