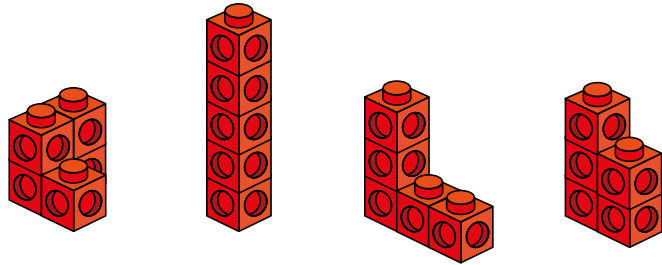

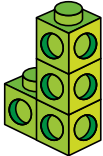
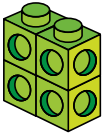
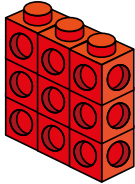
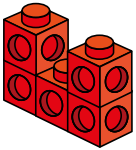
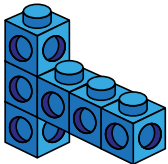


1 Dexter has made some 3D shapes using cubes.



- What is the same about the 3D shapes he has made?
Compare answers with a partner.
- What is different about the 3D shapes he has made?
Compare answers with a partner.
- What is the volume of each of Dexter's 3D shapes?

2 What is the volume of each 3D shape?

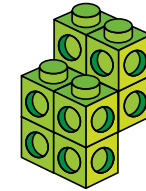
- | | |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| a)  | d)  |
| b)  | e)  |
| c)  | f)  |



3



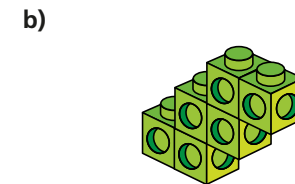
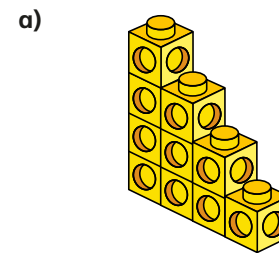
The volume of this shape is 7 cubes.



Do you agree with Teddy?
Explain your answer.

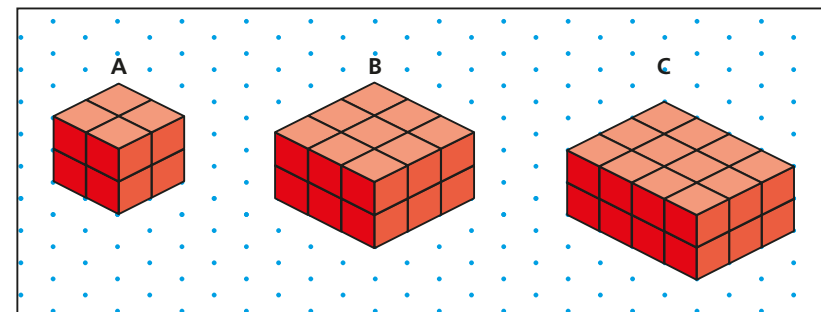
4

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



5

Three cuboids are drawn on isometric paper.



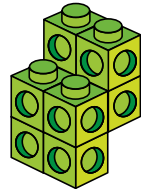
- How many cubes are needed to make each cuboid?
- If each cube has a side length of 1 cm, what is the volume of each cuboid?



3



The volume of this shape is 7 cubes.

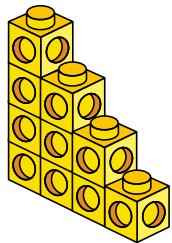


Do you agree with Teddy?
Explain your answer.

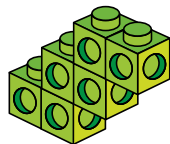
4

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

a)

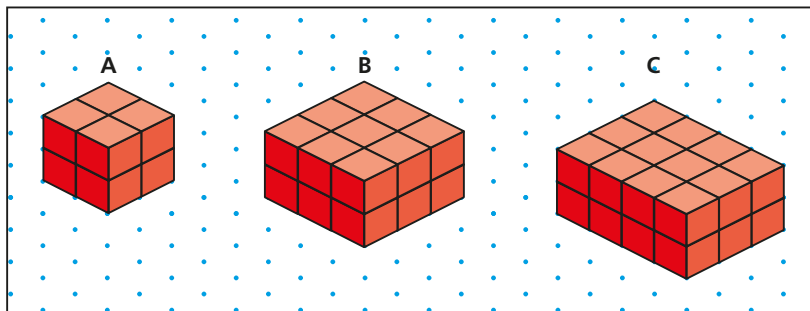


b)



5

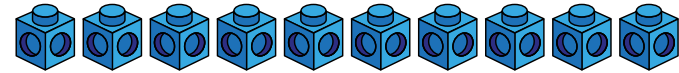
Three cuboids are drawn on isometric paper.



- How many cubes are needed to make each cuboid?
- If each cube has a side length of 1 cm , what is the volume of each cuboid?

6

Ron is making 3D shapes using 10 cubes.



- Use cubes to investigate the different shapes Ron can make.
- Draw three of your shapes on isometric paper.
- What is the volume of each of your shapes?
- Compare answers with a partner.
What is the same and what is different?

