

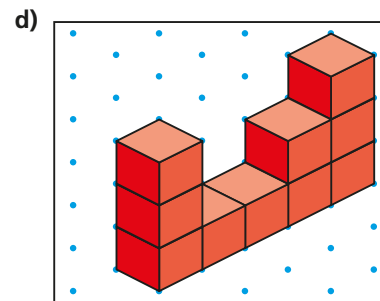
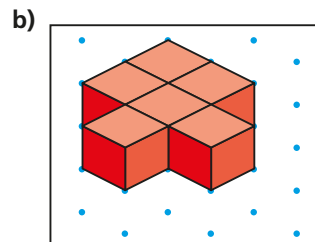
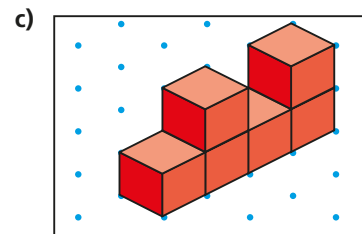
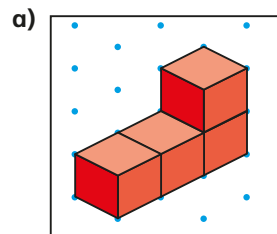
- 1 Use seven cubes to make three different shapes.

Each shape must use all the cubes.

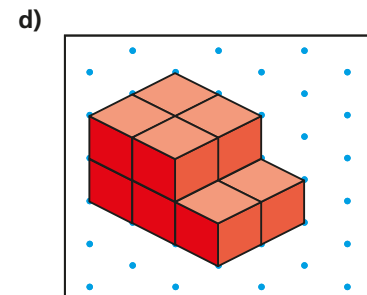
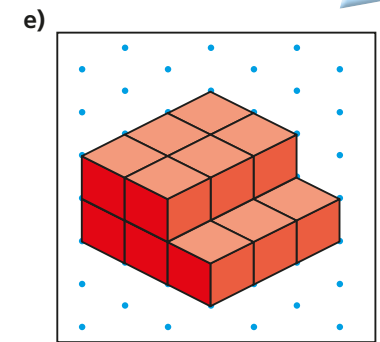
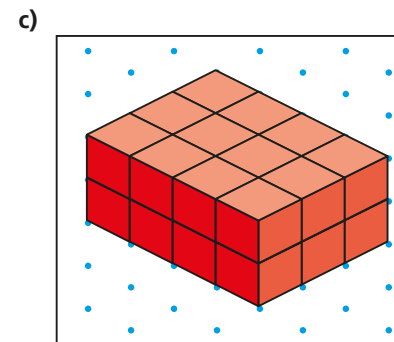
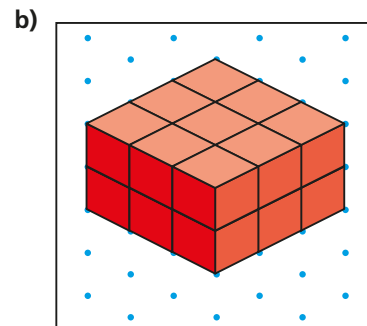
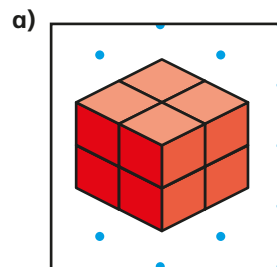


- 2 How many cubes are needed to make each shape?

There are no hidden cubes.



- 3 How many cubes are needed to make the following shapes?



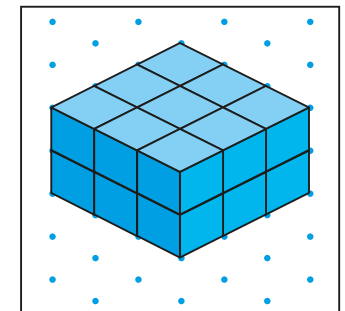
Discuss the method you used with a partner.

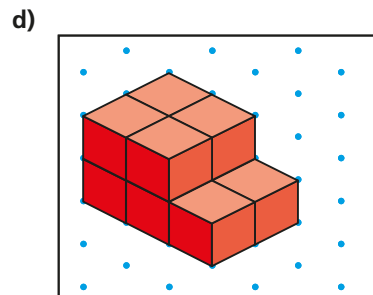
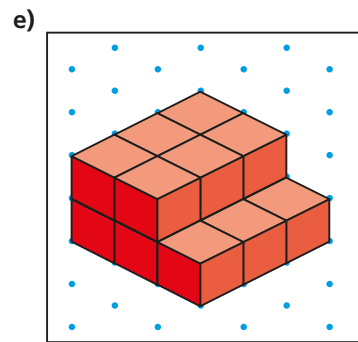
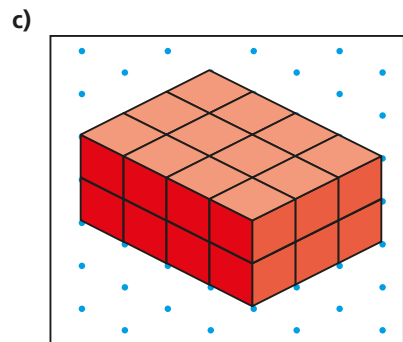
4



There are 14 cubes in the cuboid.

Explain Teddy's mistake.





Discuss the method you used with a partner.

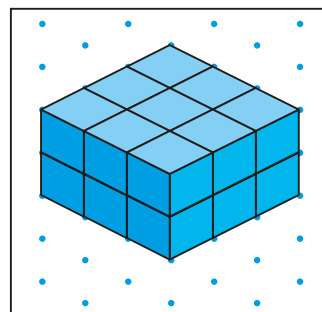


4



There are 14 cubes in the cuboid.

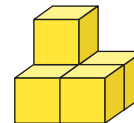
Explain Teddy's mistake.



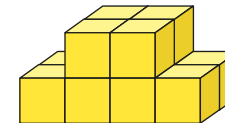
5

If one cube is worth 1 cm^3 , what are the volumes of the shapes?

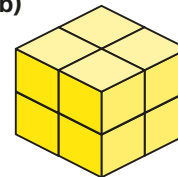
a)



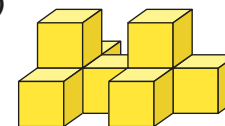
c)



b)



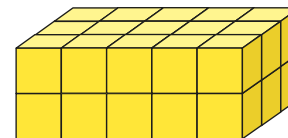
d)



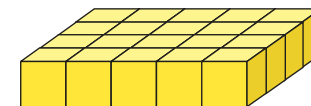
6

Here are two cuboids made of 1 cm^3 cubes.

A



B



Which shape has the greater volume?

Show all your working to prove your answer.

7

A shape has a volume of 24 cm^3

Make two possible shapes from cubes and then draw them.

