

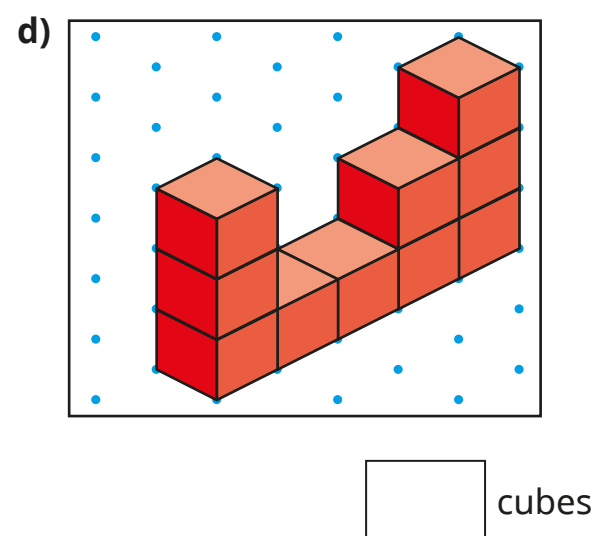
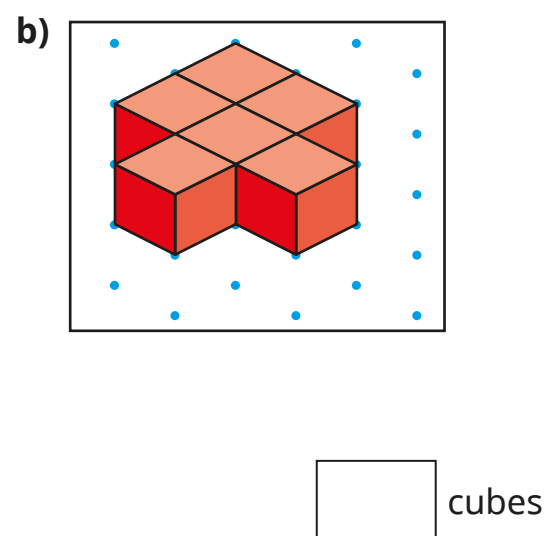
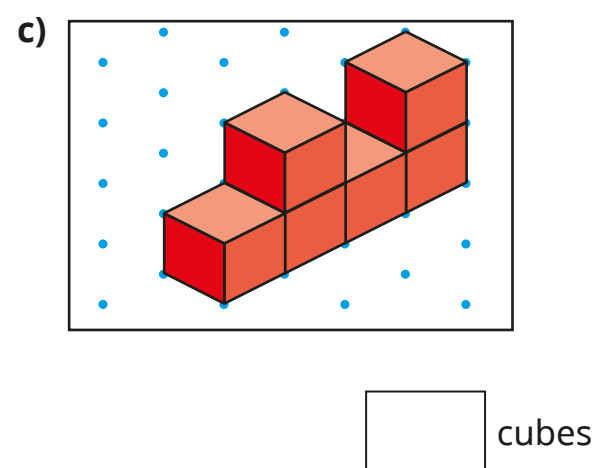
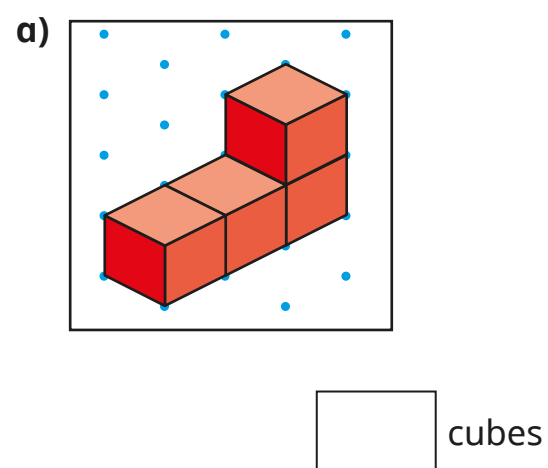
Volume – counting cubes



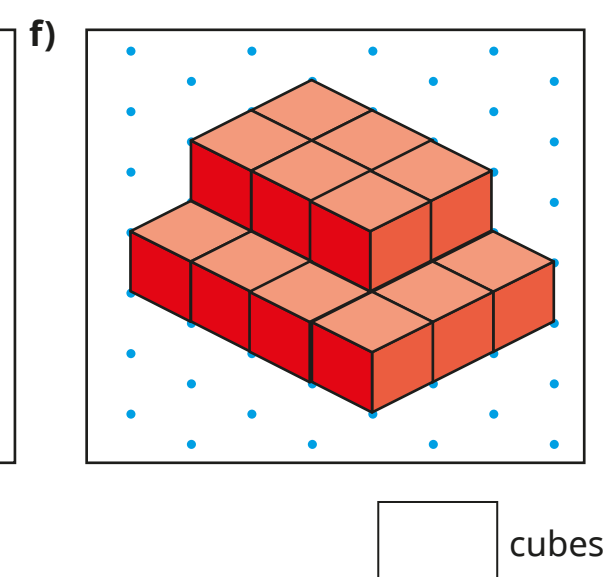
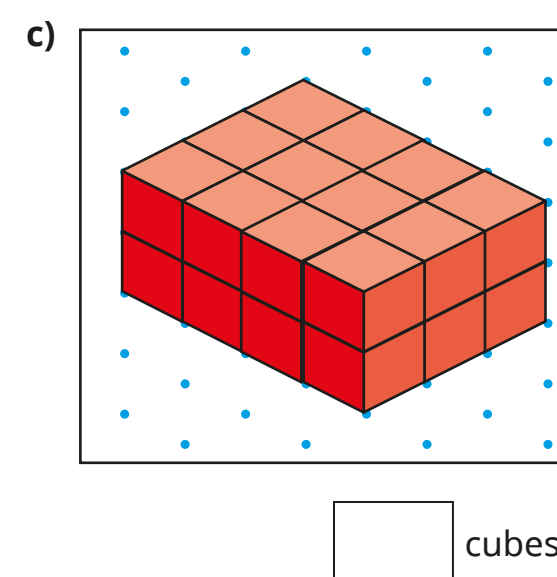
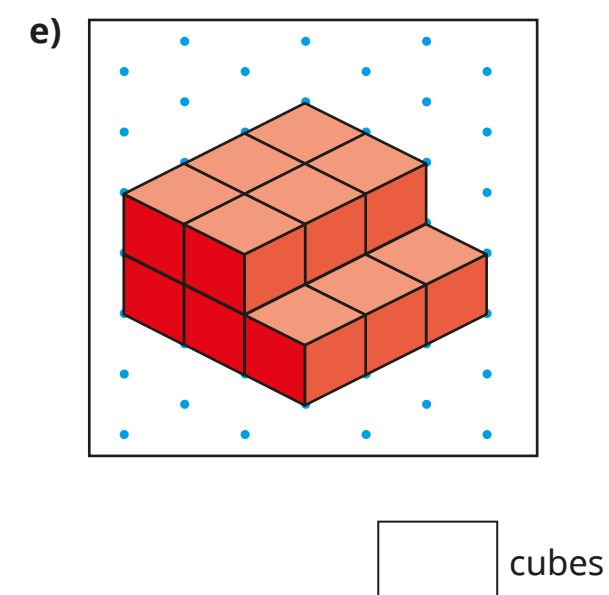
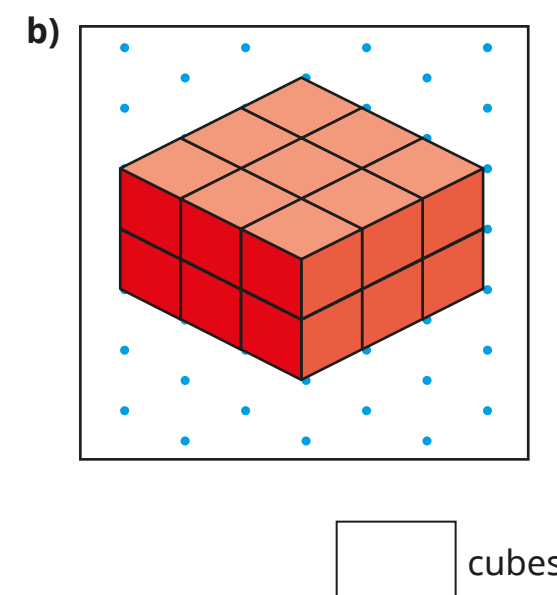
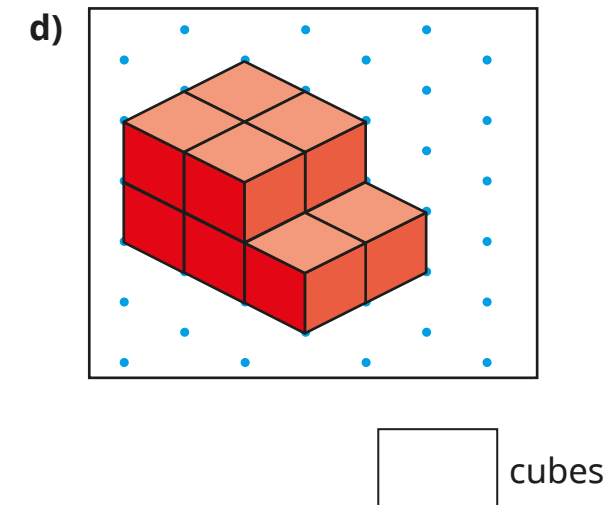
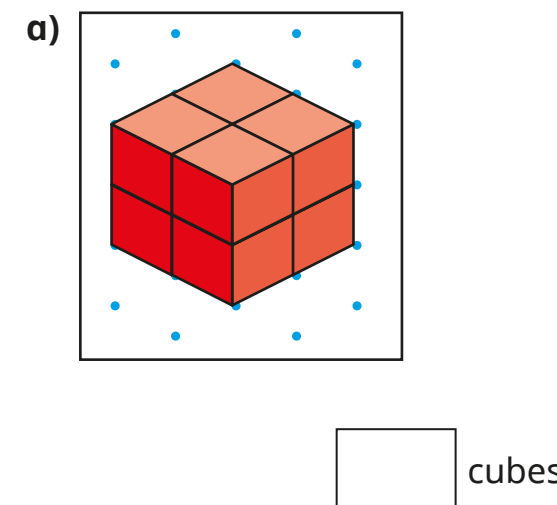
- 1 Use seven cubes to make three different shapes.
Each shape must use all the cubes.



- 2 How many cubes are needed to make each shape?
There are no hidden cubes.



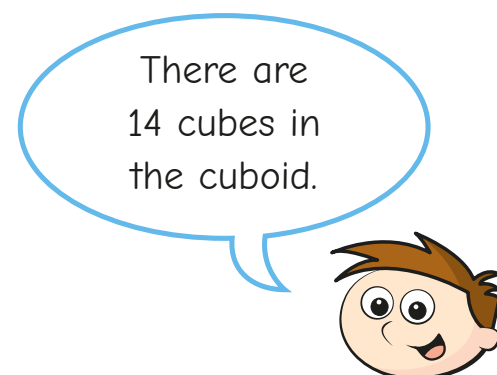
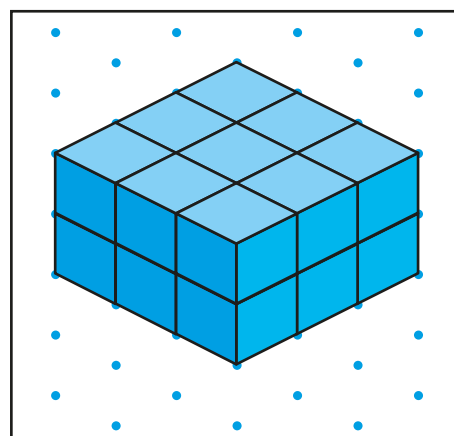
- 3 How many cubes are needed to make each shape?



Discuss the method you used with a partner.

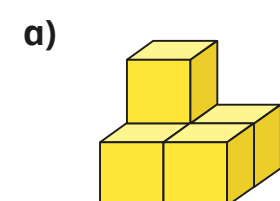


- 4 Teddy is counting cubes.

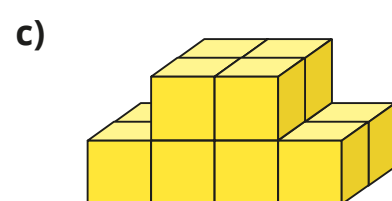


Explain Teddy's mistake.

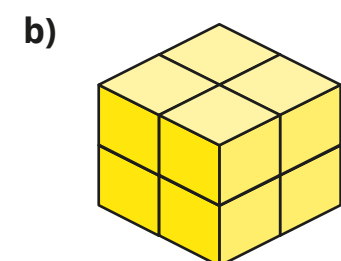
- 5 If one cube is worth 1 cm^3 , what are the volumes of the shapes?



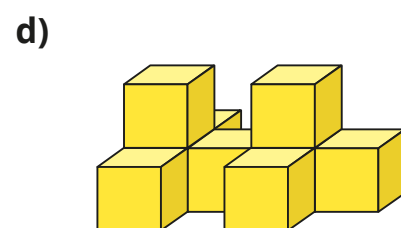
volume = cm^3



volume = cm^3

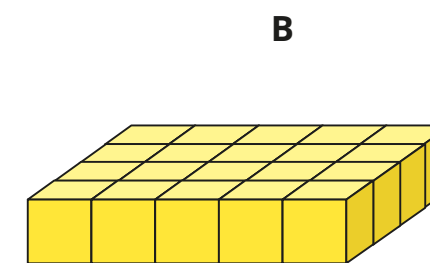
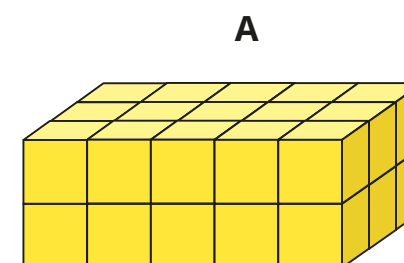


volume = cm^3



volume = cm^3

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



Which shape has the greater volume? _____

Show all your workings to prove your answer.

- 7 A shape has a volume of 24 cm^3
Make two possible shapes from cubes and then draw them.

