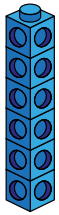
Compare volume

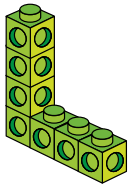
1 Whitney and Tommy have each made a shape using cubes.

Each cube has a volume of 1 cm³

Whitney



Tommy



a) What is the volume of Whitney's shape?

b) What is the volume of Tommy's shape?

c) Whitney and Tommy are comparing the volumes of their shapes.

Whitney

My shape has a greater volume because it is taller.

My shape has a greater volume because I used more cubes.

Tommy

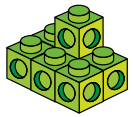
Who do you agree with?

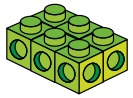
Explain your answer.

2 Each cube has a volume of 1 cm³

What is the volume of each shape?

a)





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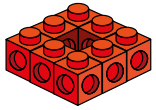
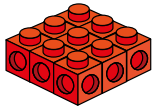
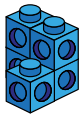
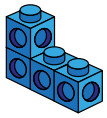


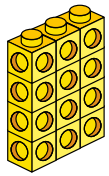


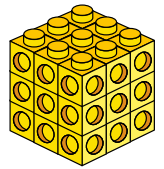
c)





d)

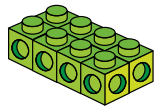


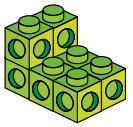


In each pair, which shape has the greater volume?

3 Write <, > or = to compare the volumes of the shapes.

a)





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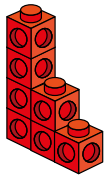
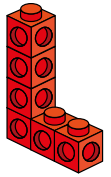
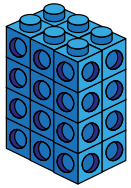
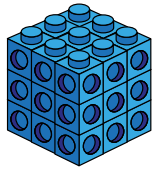




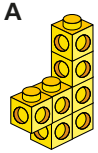
c)



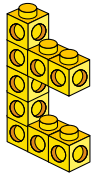


4 Here are some shapes made from cubes.

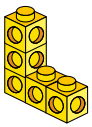
A



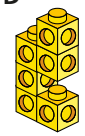
B



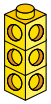
C



D



E



Put the shapes in ascending order of volume.

Make your own shapes for a partner to put in order.

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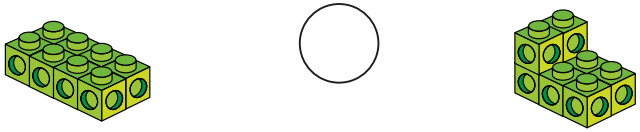
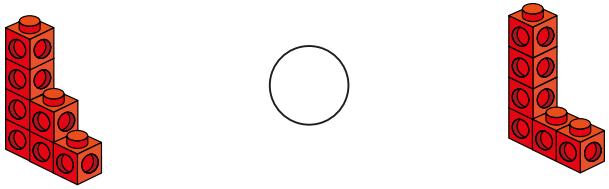
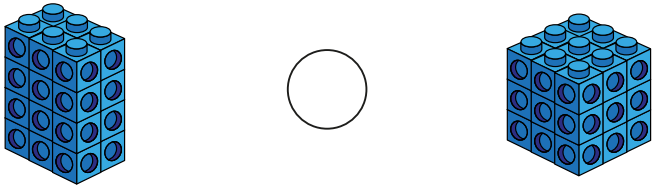
d)

In each pair, which shape has the greater volume?

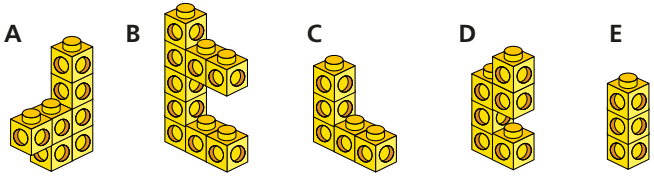
3 Write <, > or = to compare the volumes of the shapes.

a) 

b) 

c) 

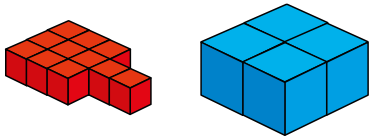
4 Here are some shapes made from cubes.



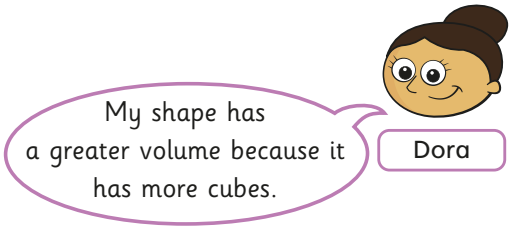
Put the shapes in ascending order of volume.

Make your own shapes for a partner to put in order.

5 Dora and Ron have each made a shape using cubes.



Dora Ron

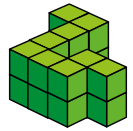


Do you agree with Dora?

Talk about it with a partner.

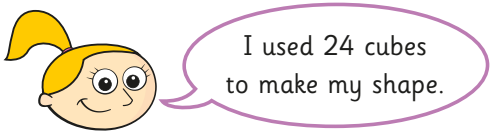
6 Amir, Eva and Alex have made shapes out of centimetre cubes.

a) Amir has made this shape.



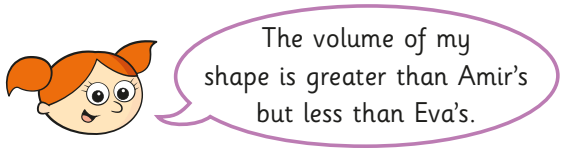
What is the volume of Amir's shape?

b)



What is the volume of Eva's shape?

c)



What could the volume of Alex's shape be?

Compare answers with a partner.

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