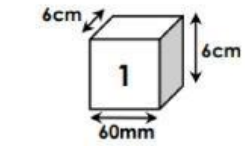
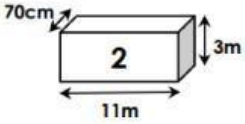
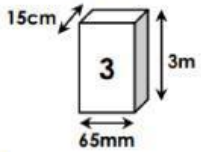
Area and Perimeter

Volume of a cube

9a. Match the cuboids to their correct volume.







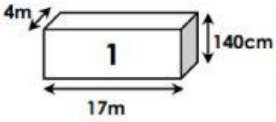
A. 29,250cm³

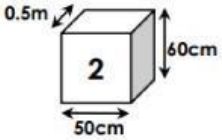
B. 23.1m³

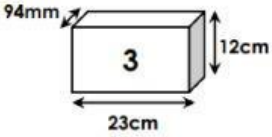
C. 216cm³

Not to scale

9b. Match the cuboids to their correct volume.







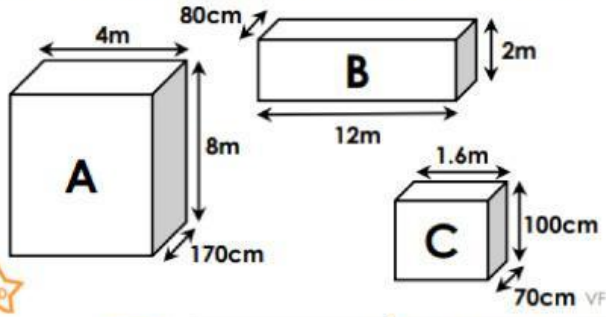
A. 95.2m³

B. 2,594.4cm³

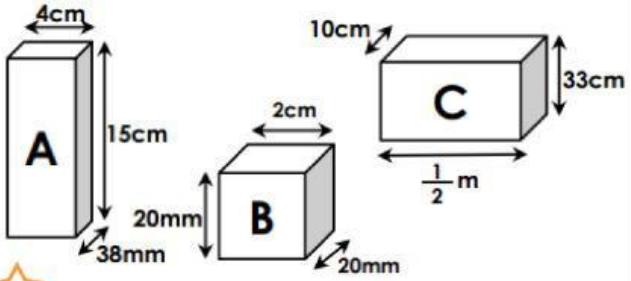
C. 0.15m³

Not to scale

12a. Order these shapes by their volume.



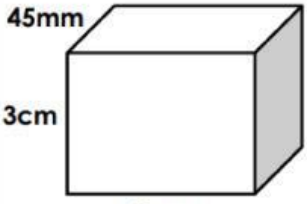
12b. Order these shapes by their volume.



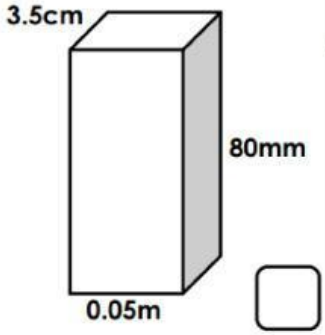
Not to scale

8. Tick the cuboids which have a volume greater than 121cm³.

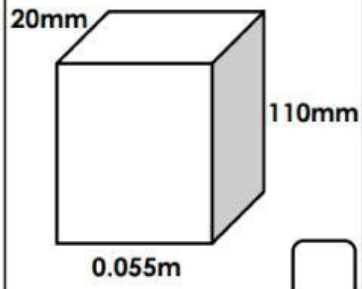
A.



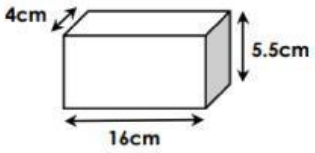
B.



C.



7a. Alfie is calculating the volume of this cuboid. He says,

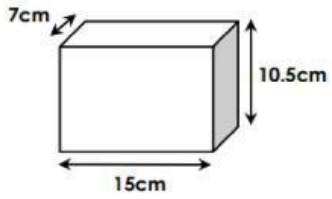


I know that 4cm x 11cm = 44cm², so I can find the volume using 44cm² x 8cm.

Is Alfie correct? Explain why.

Not to scale

7b. Leah is calculating the volume of this cuboid. She says,

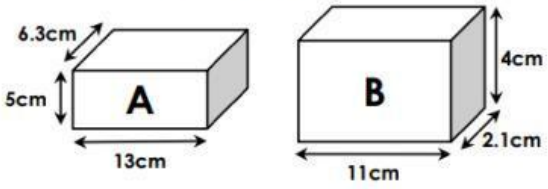


I know that 7cm x 21cm = 294cm², so I can find the volume using 294cm² x 15cm.

Is Leah correct? Explain why.

Not to scale

9a. Lily is comparing two containers.

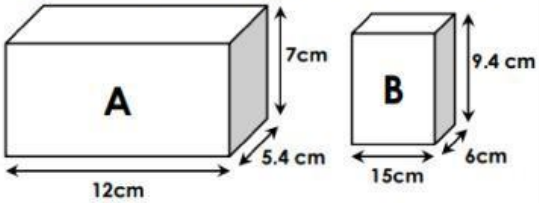


Shape A has a larger volume than shape B.

Is she correct? Explain your reasoning.

Not to scale

9b. Marvin is comparing two containers.



Shape A has a larger volume than shape A.

Is he correct? Explain your reasoning.

Not to scale