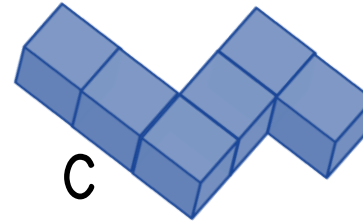
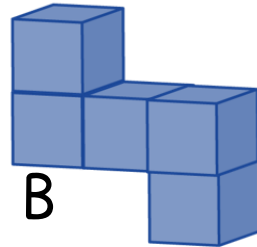
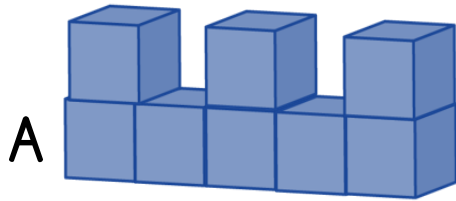


- 1) Put the shapes in ascending order of volume.

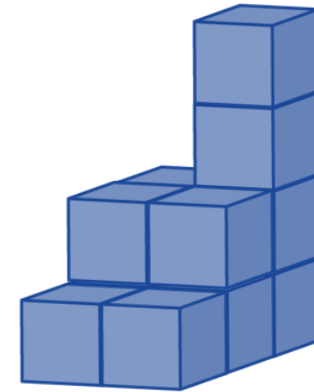


- 2) $\frac{1}{4}$ of an hour is equal to minutes.

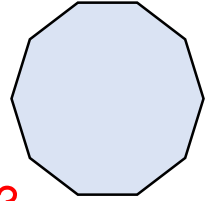
- 3) How many km are the same as 3,217 m?

- 4) What number comes next in the sequence?
879, 889, 899, _____

1) Each cube has a length of 1 cm.
What is the volume of the shape?



12 cm³



2) 1 kg \approx 2 lb.
Roughly how many lb is 4.5 kg?

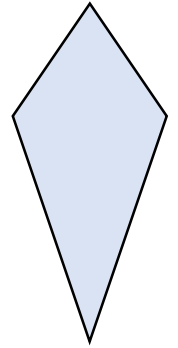
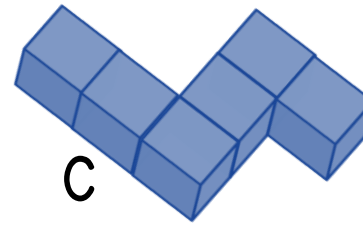
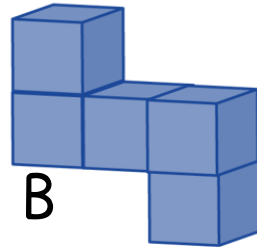
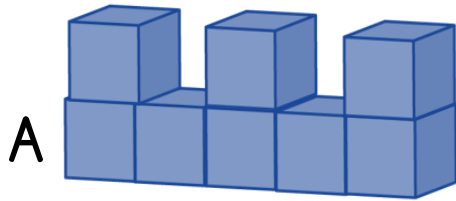
9 lb

3) Translate the point (2,5) 4 to the right and 3 down.

(6,2)

4) Subtract 7 from 3 -4

1) Put the shapes in ascending order of volume.



B, C, A

2) $\frac{1}{4}$ of an hour is equal to minutes.

3) How many km are the same as 3,217 m?

3.217 km

4) What number comes next in the sequence?

879, 889, 899, 909

L.O: To estimate the volume of objects

Sometimes we have to make a sensible guess about the volume of an object. What would be a sensible guess for the volume of Mrs Collis' phone?



85 cm³

227 cm³

50 cm³

L.O: To estimate the volume of objects

Sometimes we have to make a sensible guess about the volume of an object. What would be a sensible guess for the volume of Mrs Collis' phone?

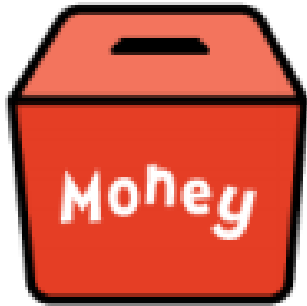


85 cm³

I would estimate that my phone is about 1cm thick (height), about 6cm wide and 14 cm long which is about 84cm³

L.O: To estimate the volume of objects

 Estimate and match the object to the correct capacity.



3,600 cm³



1,000 cm³

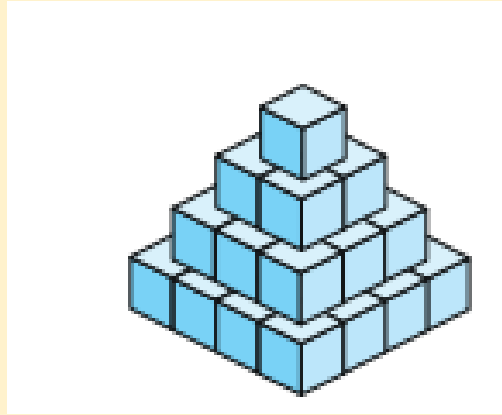
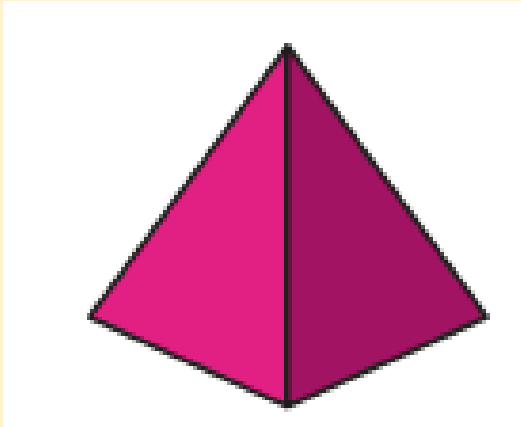


187,500 cm³

If you're in school – estimate the volume of an object then use connecting cubes to check. Do you need to fill the whole object?

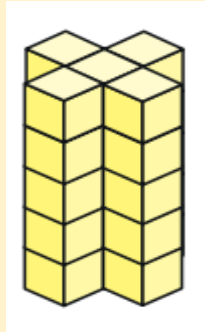
L.O: To estimate the volume of objects

Sometimes we can use cubes to build a rough version of a shape to help us estimate volume.



Why would this not give us the exact volume of the shape?

L.O: To estimate the volume of objects



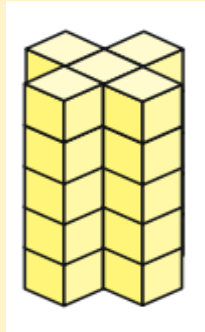
This shape has been built to model the volume of the mug.

Each cube has a volume of 10cm^3

1) What is the approximate volume of the mug?

2) A cupboard can fit 20 mugs in.
What is the approximate volume of the cupboard in m^3 ?

L.O: To estimate the volume of objects



This shape has been built to model the volume of the mug.

Each cube has a volume of 10cm^3

1) What is the approximate volume of the mug? 250cm^3

2) A cupboard can fit 20 mugs in.
What is the approximate volume of the cupboard in m^3 ? $20 \times 250 = 1000\text{cm}^3 = 10\text{m}^3$