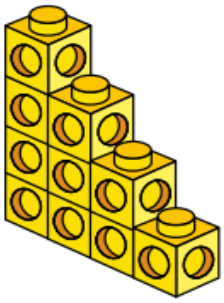
Monday 12th May 2025

MPI: Measuring and comparing volume

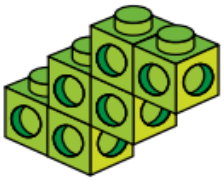
1. Each cube has a volume of 1 cm^3

What is the volume of each shape?

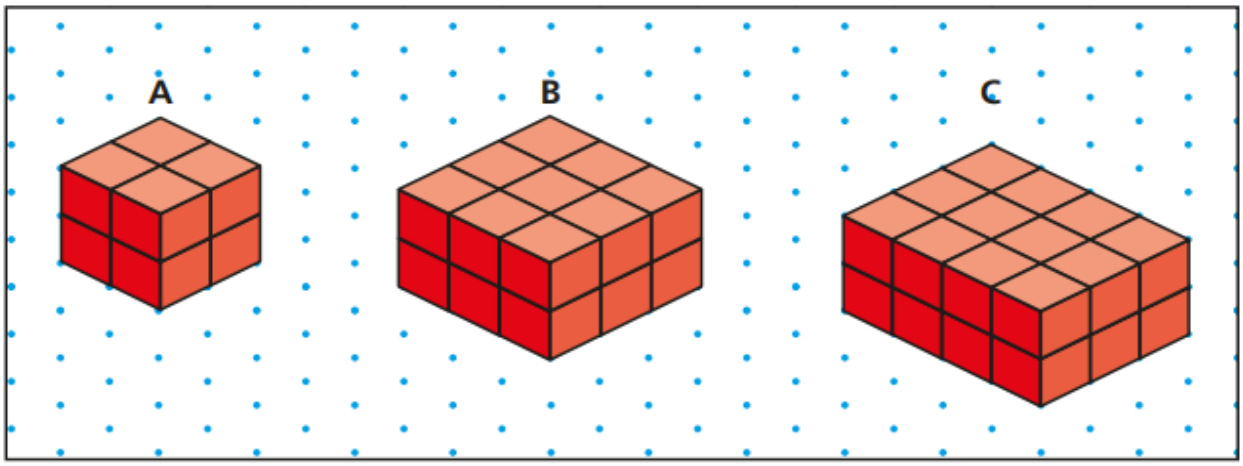
a)



b)



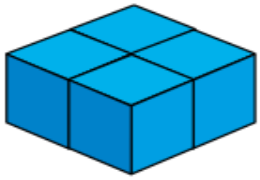
2. Three cuboids are drawn on isometric paper.



If each cube has a side length of 1 cm, what is the volume of each cuboid?

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

Dora



Ron

My shape has a greater volume because it has more cubes.

Dora

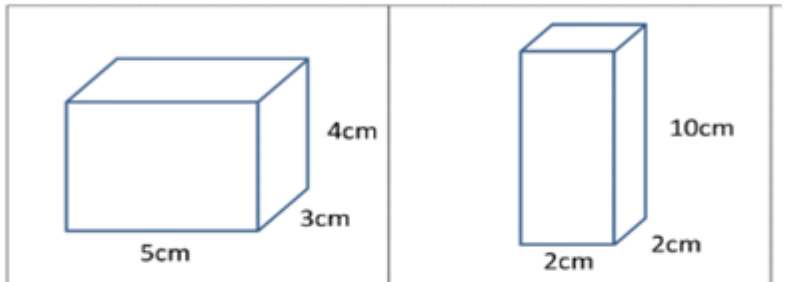
Do you agree with Dora?

_____

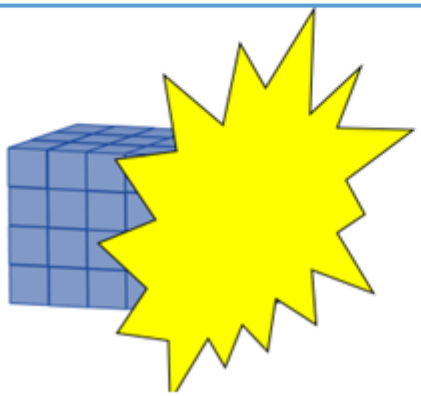
_____

Monday 12th May 2025 Challenge

MPI: Measuring and comparing volume



Volume = _____	Volume = _____



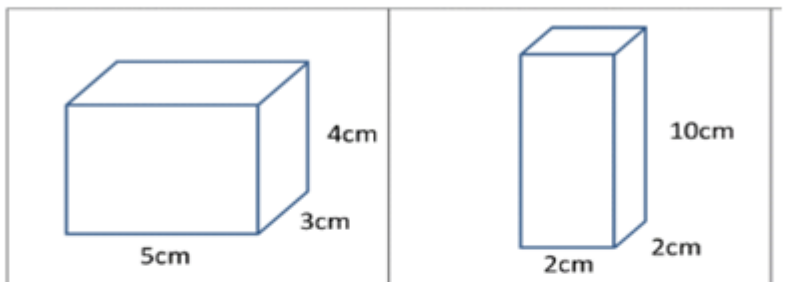
Each of the cubes have a volume of 1 m^3

The volume of the whole shape is between $64m^3$ and $96m^3$

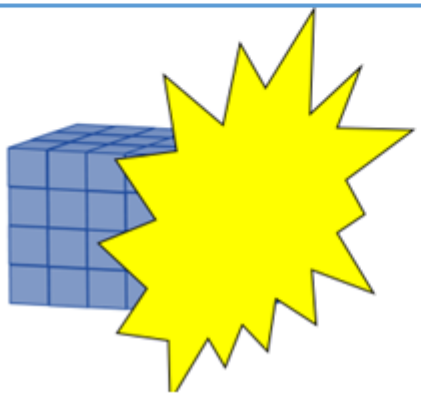
What could the shape look like?

Monday 12th May 2025 Challenge

MPI: Measuring and comparing volume



Volume = _____	Volume = _____



Each of the cubes have a volume of 1 m^3

The volume of the whole shape is between $64m^3$ and $96m^3$

What could the shape look like?

Friday 16th May 2025

MPI: Estimating capacity

1.

Sally is filling up a 100ml perfume bottle. She estimates it will take ten 5ml spoons to fill the bottle.

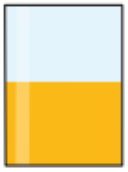
Is she correct? Explain why.

_____
_____
_____
_____
_____

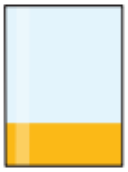
2. Each glass contains 200 ml of juice.

Estimate the capacity of each glass.

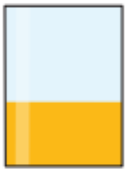
a)



b)



c)



d)

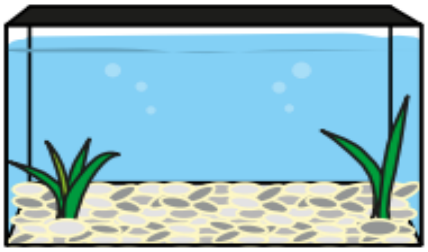
e)

f)

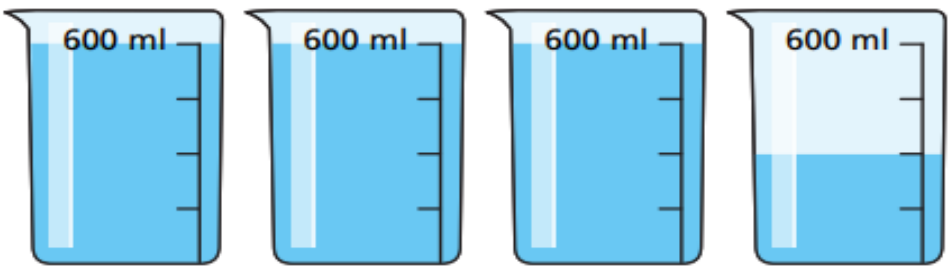
3. Whitney is estimating the capacity of a fish tank.

She has 9 full bottles of water.

I used the water from 8 full bottles to fill the fish tank.



Whitney empties the 9th bottle into jugs to help her work out the capacity of the tank.



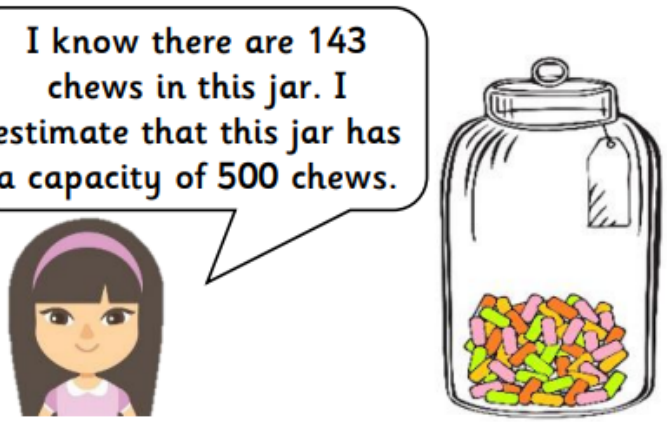
Estimate the capacity of the fish tank.

Give your answer in litres.

Is the actual capacity likely to be more or less than your estimate?

Friday 16h May 2025– challenge

MPI: Estimating capacity



Do you agree with this estimate?
Explain why.

If bottle A has a capacity of 412ml and bottle B has a capacity of 390ml, estimate the capacity of bottle C.

A B C

A = _____

B = _____

C = _____

Friday 16h May 2025– challenge

MPI: Estimating capacity

Do you agree with this estimate?
Explain why.

If bottle A has a capacity of 412ml and bottle B has a capacity of 390ml, estimate the capacity of bottle C.

A B C

A = _____

B = _____

C = _____