



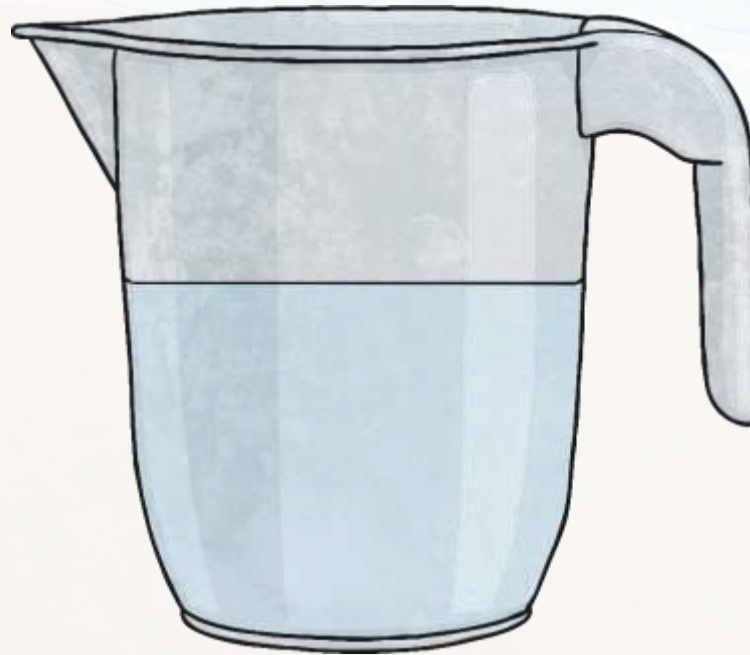
Estimating Capacity

Aim

- Estimate capacity.



This jug contains 250ml of water. Estimate the capacity of the jug.



Approximately 400ml.



Choose the most likely capacity for this bucket:



12 litres

500 millilitres

120 litres

50 litres



Ian estimates that he can pour 6 cups of tea from his 550ml teapot.

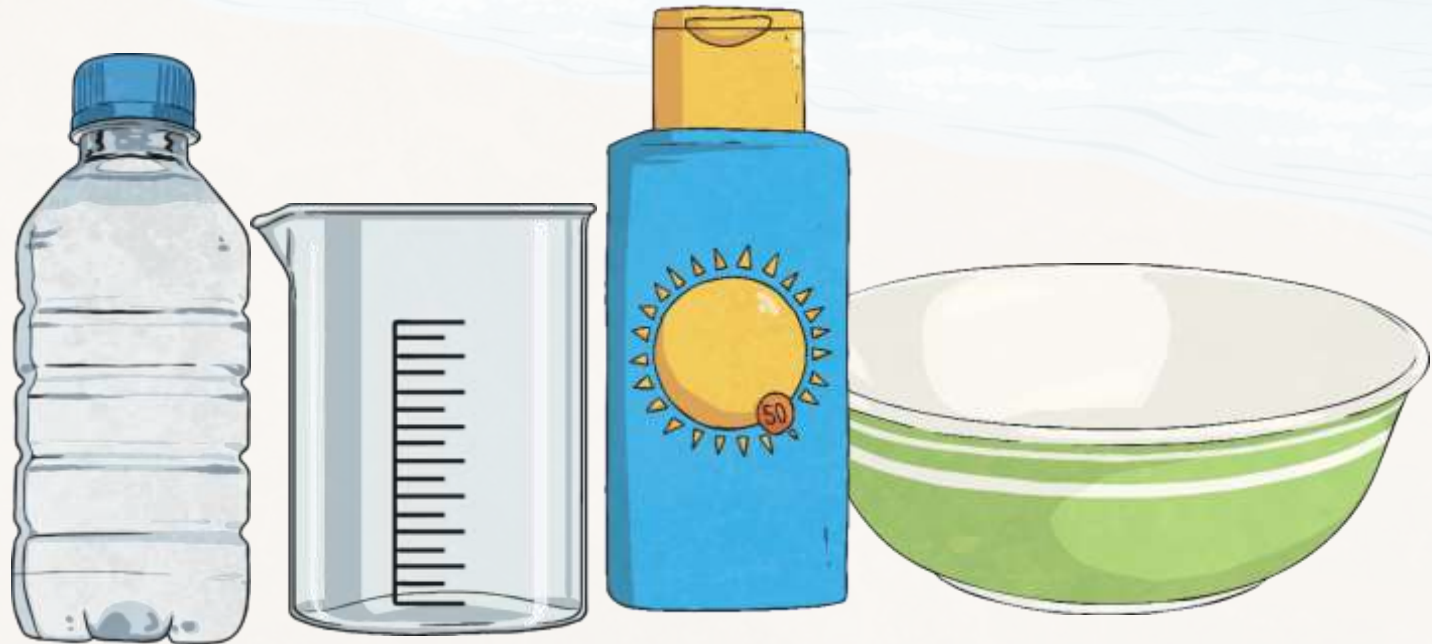


Do you agree
with him?

No – 6 people would all have cups of tea smaller than 100ml,
which isn't enough.



All of these containers have a capacity of 200ml.



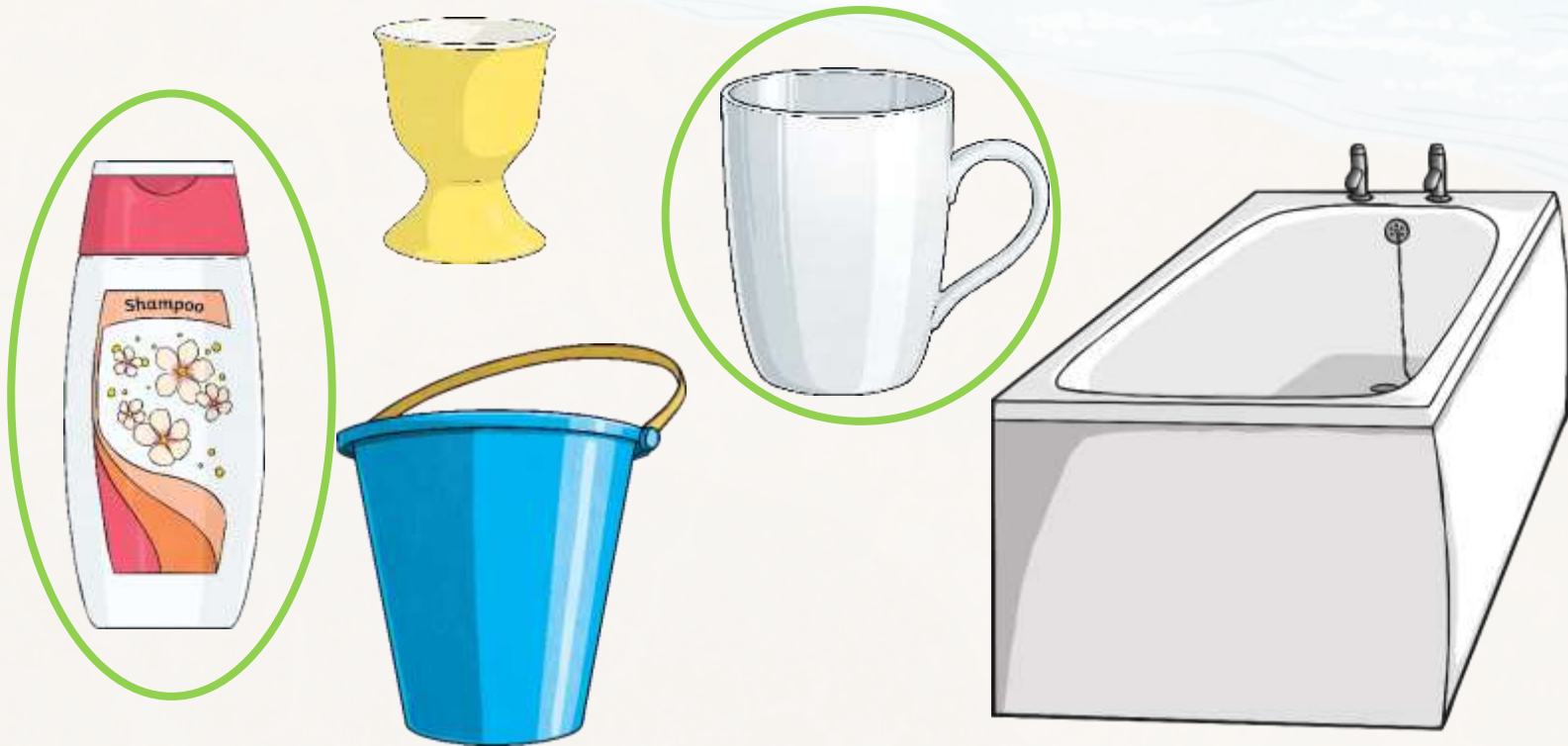
Discuss, with a partner, what is the same and what is different about them.

Estimate Capacity

Deepest

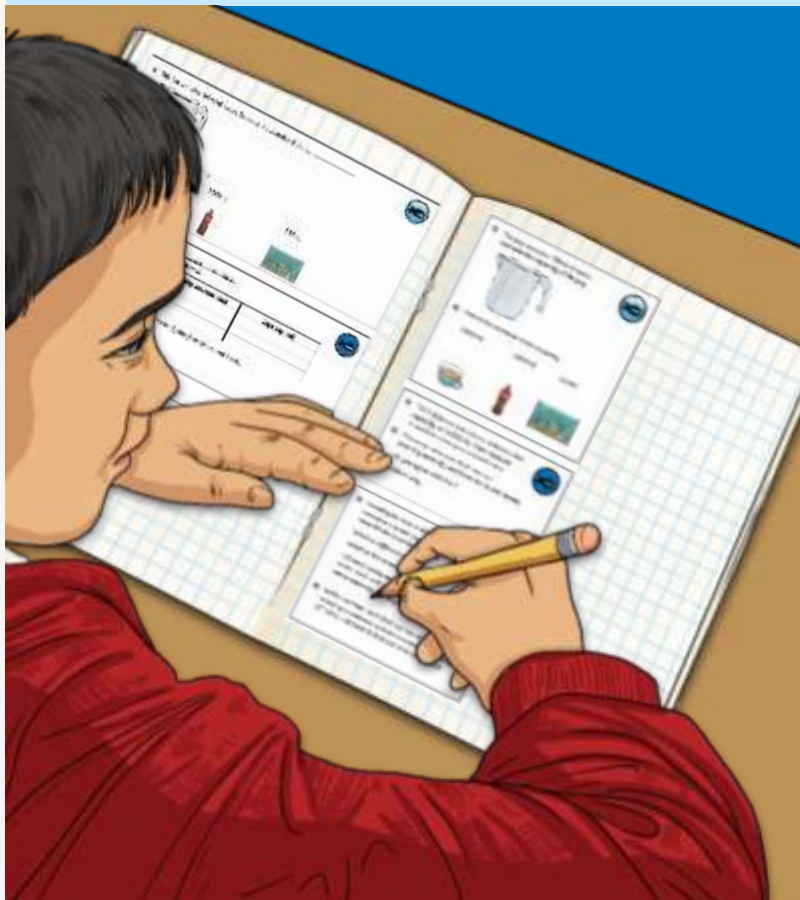


What combination of these containers do you estimate would have a total capacity of 500ml?




Estimating Capacity

Dive in by completing your own activity!





1 This jug contains 100ml of water. Estimate the capacity of the jug.




2 Match the container to its capacity.

1000ml 1000ml







3 This jug contains 150ml of water. Estimate the capacity of the jug.



2 Match the container to its capacity.

1000ml 1000ml 10ml

3 Fill 3 different containers, estimate their capacity in millilitres. Then measure to see how close your estimates are.

2 Marko has estimated that 300 can pour 8 glasses of juice from her 800ml. Do you agree with her? Explain why.

1 Invent your own 3 differently shaped containers which look like they would hold a similar amount. What is different about them? What is the same?

Fill each container and measure the amount of water each will hold to find out if they have the same capacity. Do any have different capacities?

2 With a partner, each find a group of containers which you estimate to have a combined capacity of 1 litre. Fill them to find out who was closest.

Container	Capacity estimate [ml]	Capacity [ml]

1 Investigate: Find 3 differently shaped containers which look like they would hold a similar amount. What is different about them?

What is the same?

Fill each container and measure the amount of water each will take to find out if they do have the same capacity. Do any have different capacities?

2 With a partner, each find a group of containers which you estimate to have a combined capacity of 1 litre. Fill them to find out who was closest.

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Activities

- 1) This jug contains 150ml of water. Estimate the capacity of the jug. _____



- 2) Match the container to its capacity:

1000ml



3000ml



350ml



- 1) Fill 3 different containers, estimate their capacity in millilitres, then measure to see how close your estimate was.



Container	Capacity estimate (ml)	Capacity (ml)

- 2) Marianna estimates that she can pour 8 glasses of juice from her 850ml bottle.
Do you agree with her? _____

Explain why:

- 1) Investigate: Find 3 differently shaped containers which look like they would hold a similar amount. What is different about them?



What is the same?

Fill each container and measure the amount of water each will take to find out if they do have the same capacity. Do any have different capacities?

-
- 2) With a partner, each find a group of containers which you estimate to have a combined capacity of 1 litre. Fill them to find out who was closest.

Measurement Capacity Challenges

Capacity Challenges

Challenge 1

Janine needs to fill a bucket with 2 litres (2000ml) of water. She has bottles which hold the following amounts:

200ml, 250ml, 500ml, 750ml

Give two different ways that Janine can fill the bucket (you may use each container more than once).



Capacity Challenges

Challenge 2

Lucien needs to fill a bucket with 1 litre 500ml (1500ml). He has containers which hold the following amounts:

100ml, 200ml, 250ml, 300ml.

Give two different ways that Lucien can fill the bucket (you may use each container more than once).



Capacity Challenges

Challenge 3

Siobhan needs to fill a bucket with 2 litres 500ml (2500ml). She has containers which hold the following amounts:

250ml, 300ml, 500ml, 750ml

Give two different ways that Siobhan can fill the bucket (you may use each container more than once).

