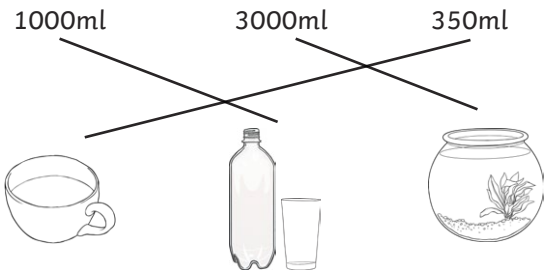
1) *Accept answers between 700 and 800ml.*

2)



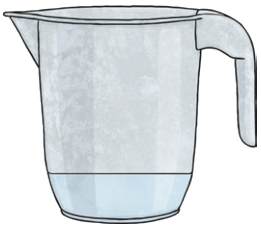
1) *Multiple answers possible.*

2) *Example answer: No, because 850 divided by 8 is just over 100ml which is smaller than the capacity of a juice glass.*

1) *Multiple answers possible.*

2) *Multiple answers possible.*

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?

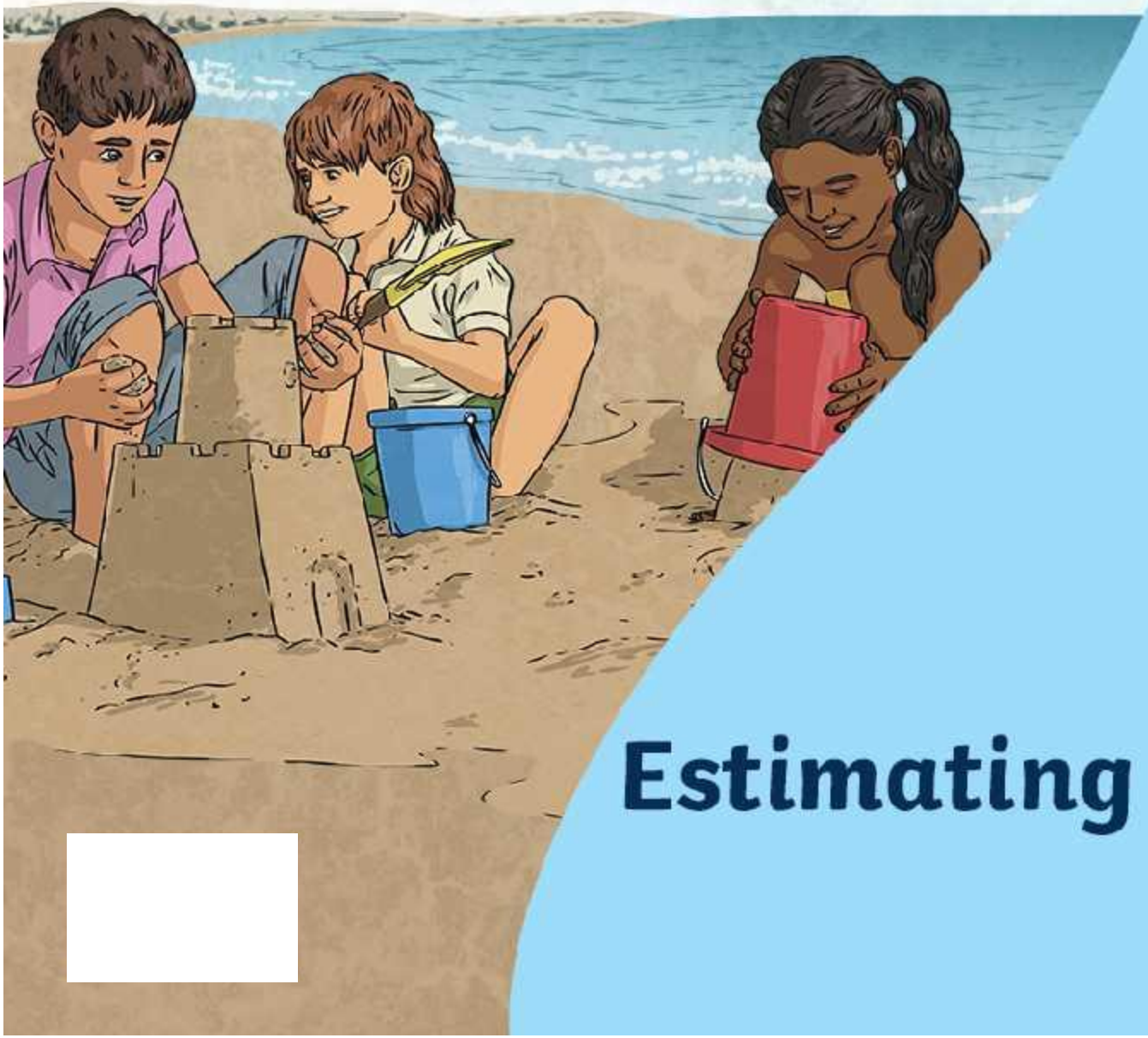
_____

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.

Diving into Mastery



Estimating Capacity

Diving into Mastery Guidance for Educators

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:


Diving


Deeper


Deepest

These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

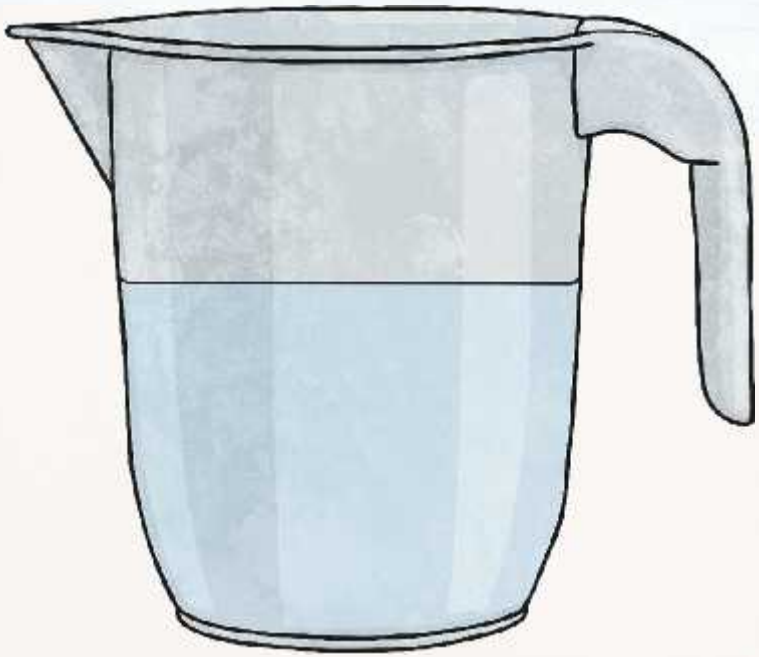
These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.

Aim

- Estimate volume.

Estimate Capacity **Diving**

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



Approximately 400ml.

Estimate Capacity | **Diving**

Choose the most likely capacity for this bucket:

12 litres	500 millilitres	120 litres	50 litres

Estimate Capacity | **Deeper**

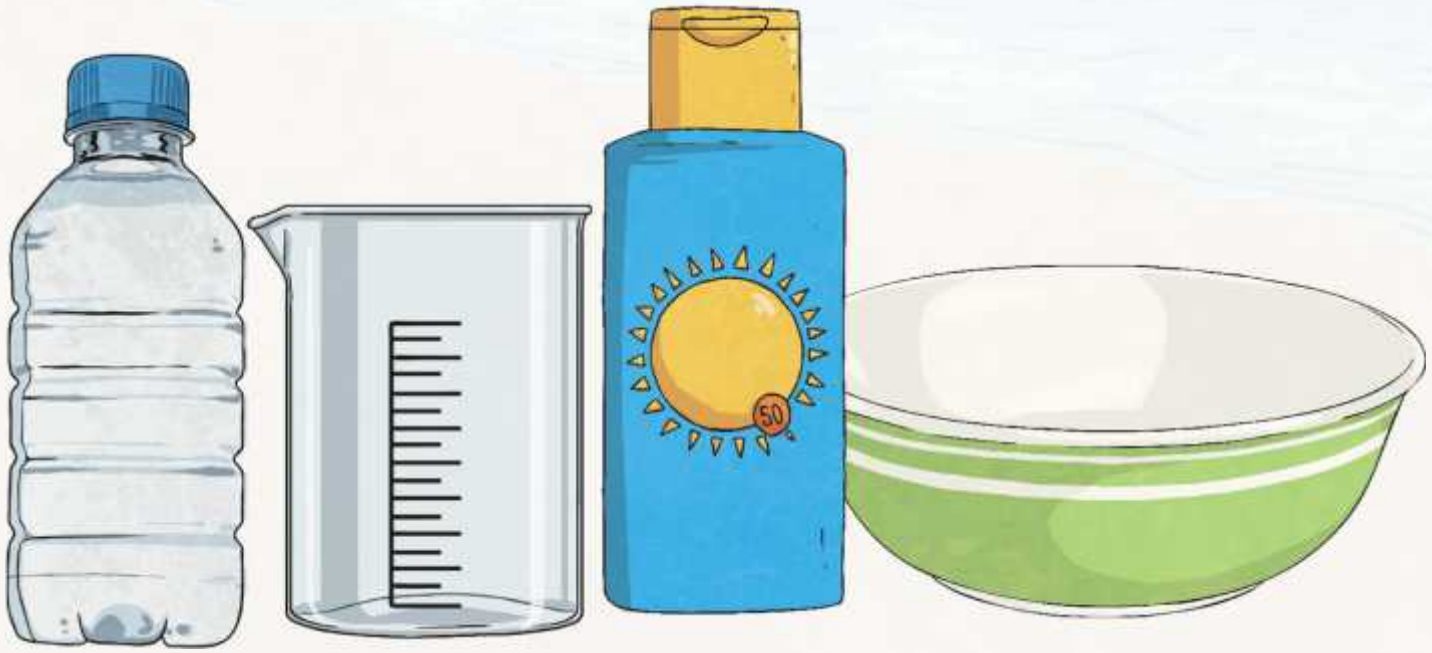
Ian estimates that he can pour 6 cups of tea from his 550ml teapot.

Do you agree with him?

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

Estimate Capacity | **Deepest**

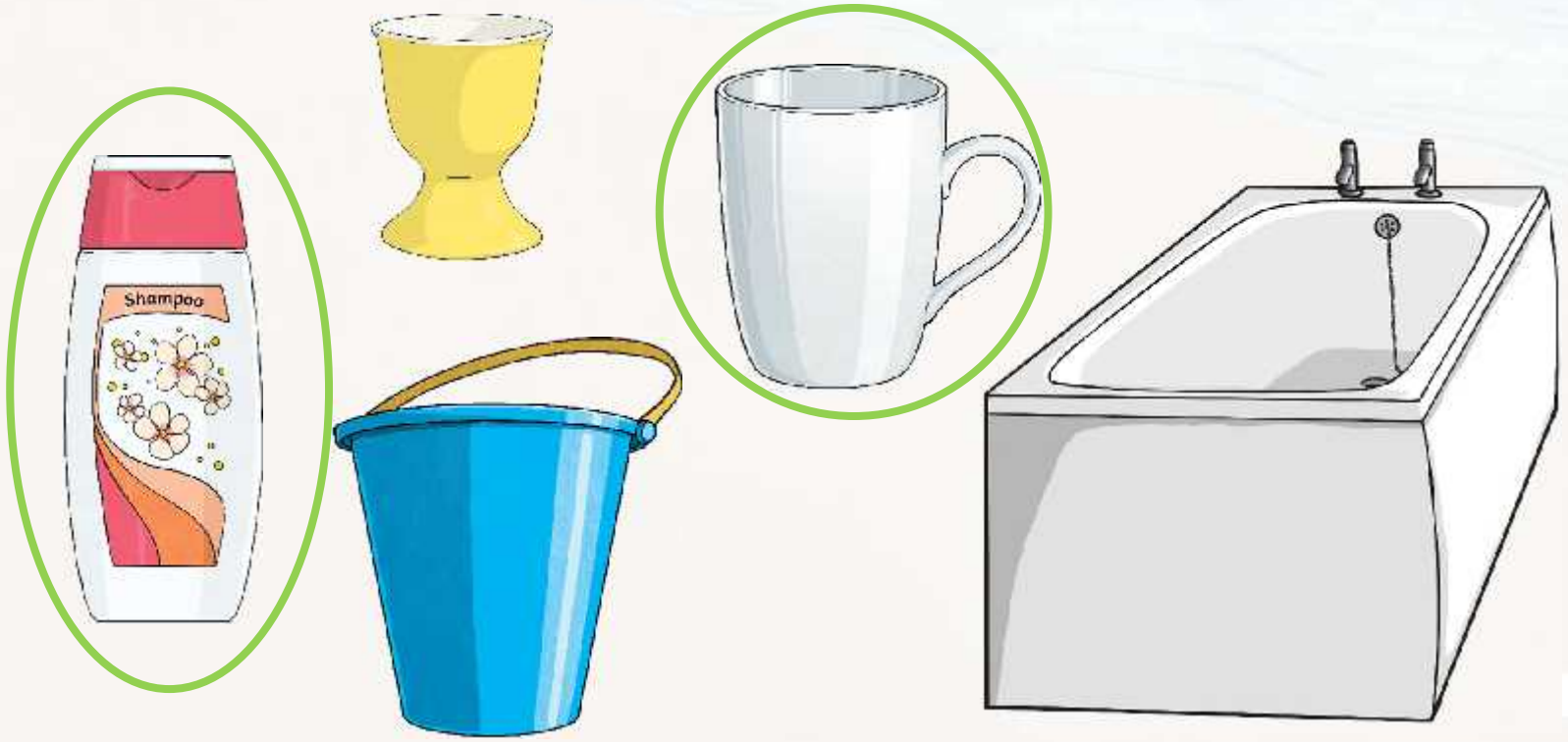
All of these containers have a capacity of 200ml.



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

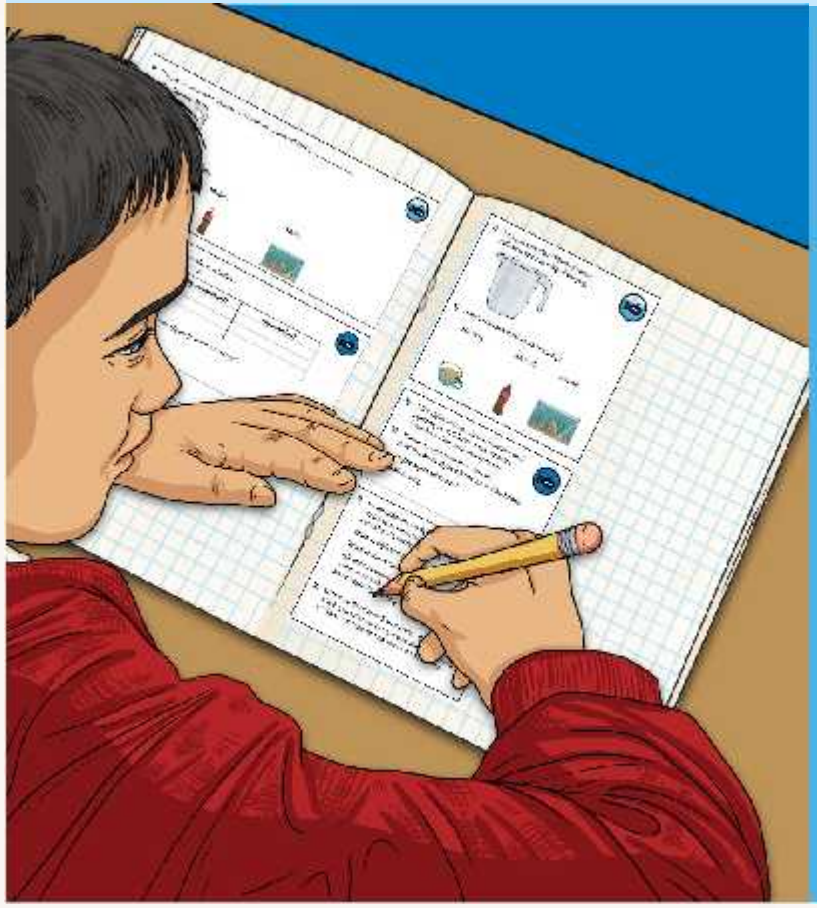
Estimate Capacity | **Deepest**

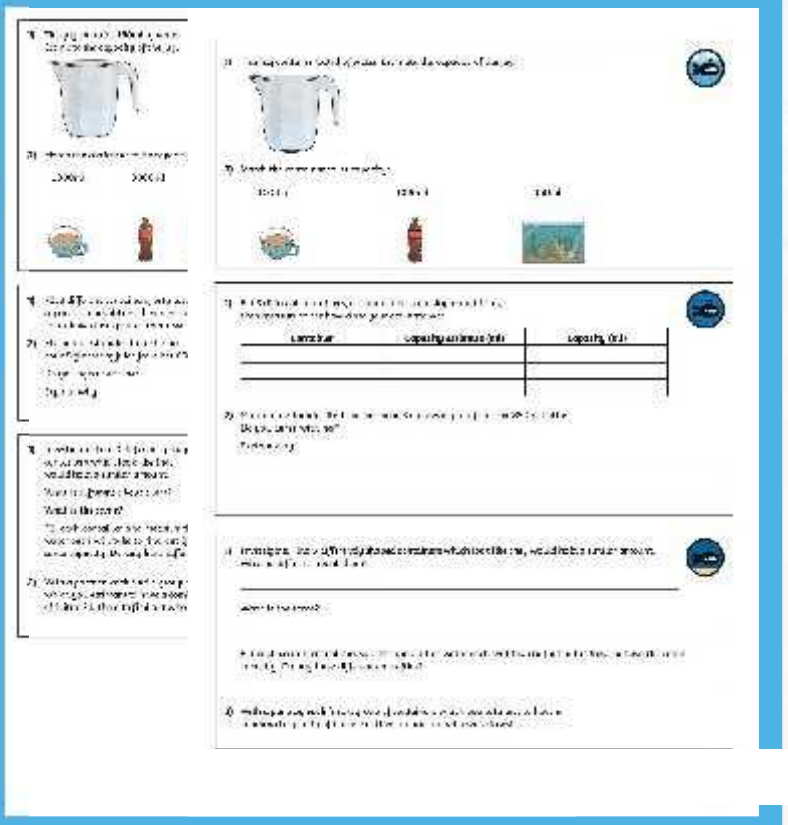
What combination of these containers do you estimate would have a total capacity of 500ml?



Estimating Capacity

Dive in by completing your own activity!





1) This jug contains 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.

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.

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