



Maths

Measurement

Capacity Concoctions



Aim

- To estimate and measure volume/capacity in litres and millilitres.

Success Criteria

- I can use language related to volume/capacity.
- I can estimate volume/capacity.
- I can measure the volume/capacity of liquid to the nearest litre/millilitre.

Tools for Tasks



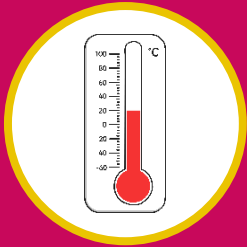
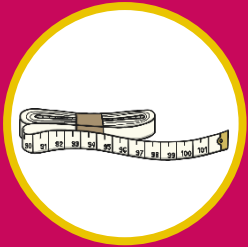
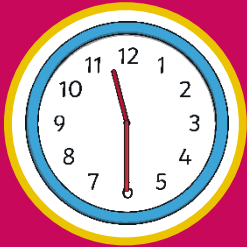
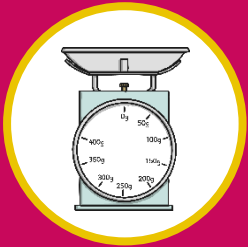
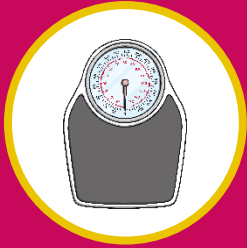
?

Do you know which tools are used for different measuring tasks?

Spin the spinner to select a task and choose which tool you would use and why.

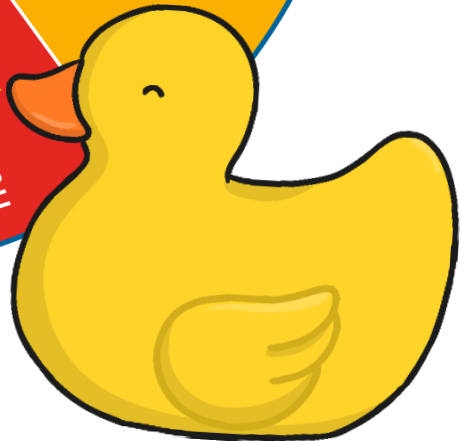
Click here
to play the
game!





Click spin to begin!

Spin!



More or Less Than a Litre?



We use millilitres or litres to measure volume and capacity.

Volume is how much liquid is in a container.

Capacity is how much liquid a container can hold.

There are 1000 millilitres in 1 litre.



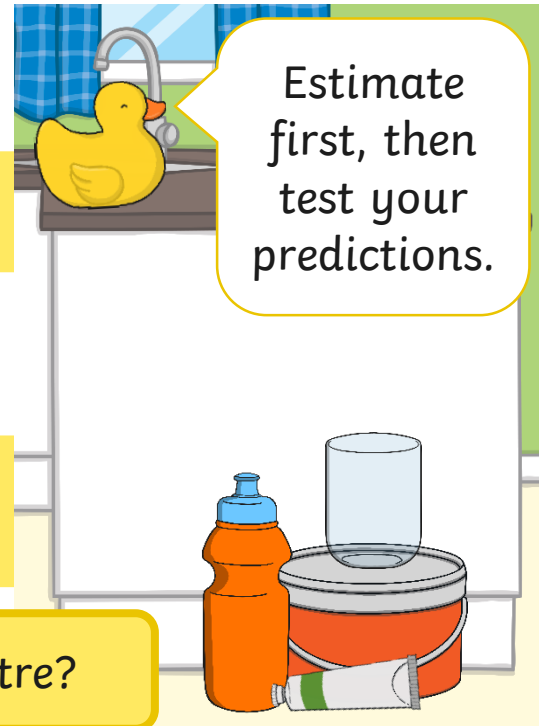
We can write **l** for litre.

We can write **ml** for millilitre.

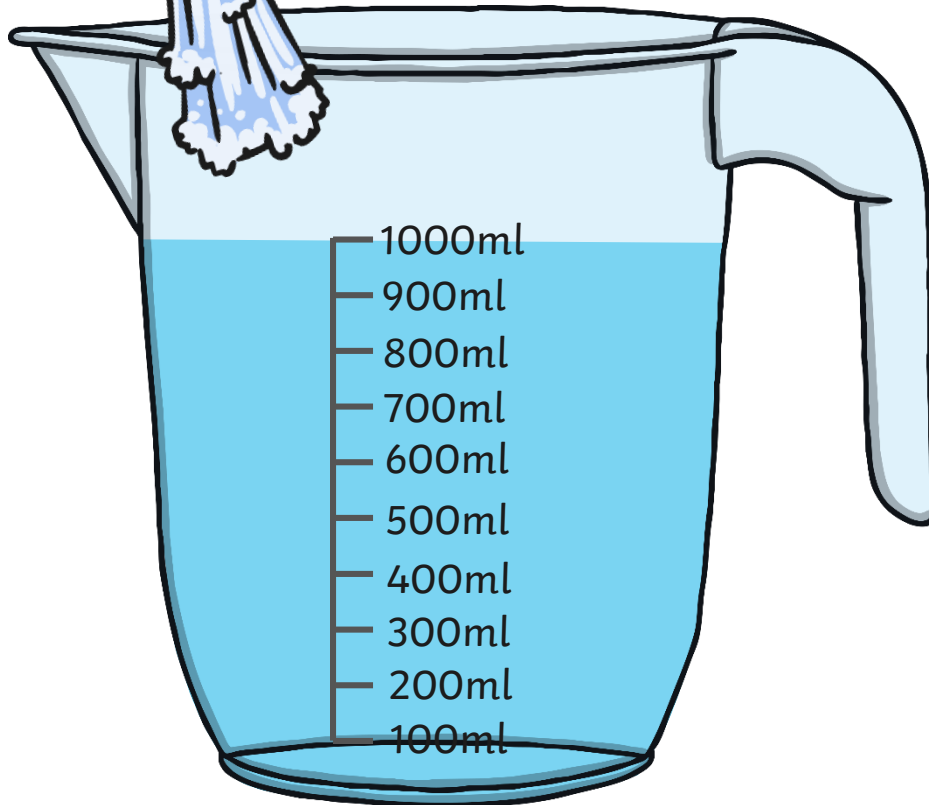
Work in a group to find objects in the classroom which hold more and less than one litre.

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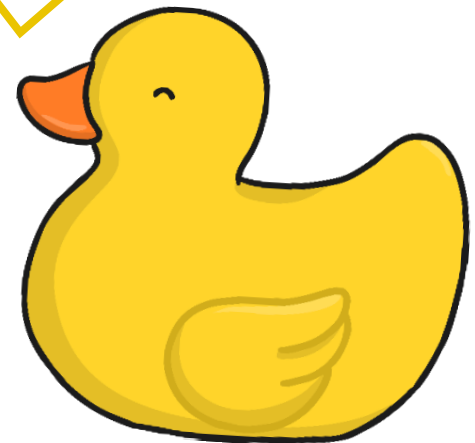
Did you find any which are equal to a litre?



Reading Scales



We can measure liquids in millilitres.
The shortened form of millilitre is ml.



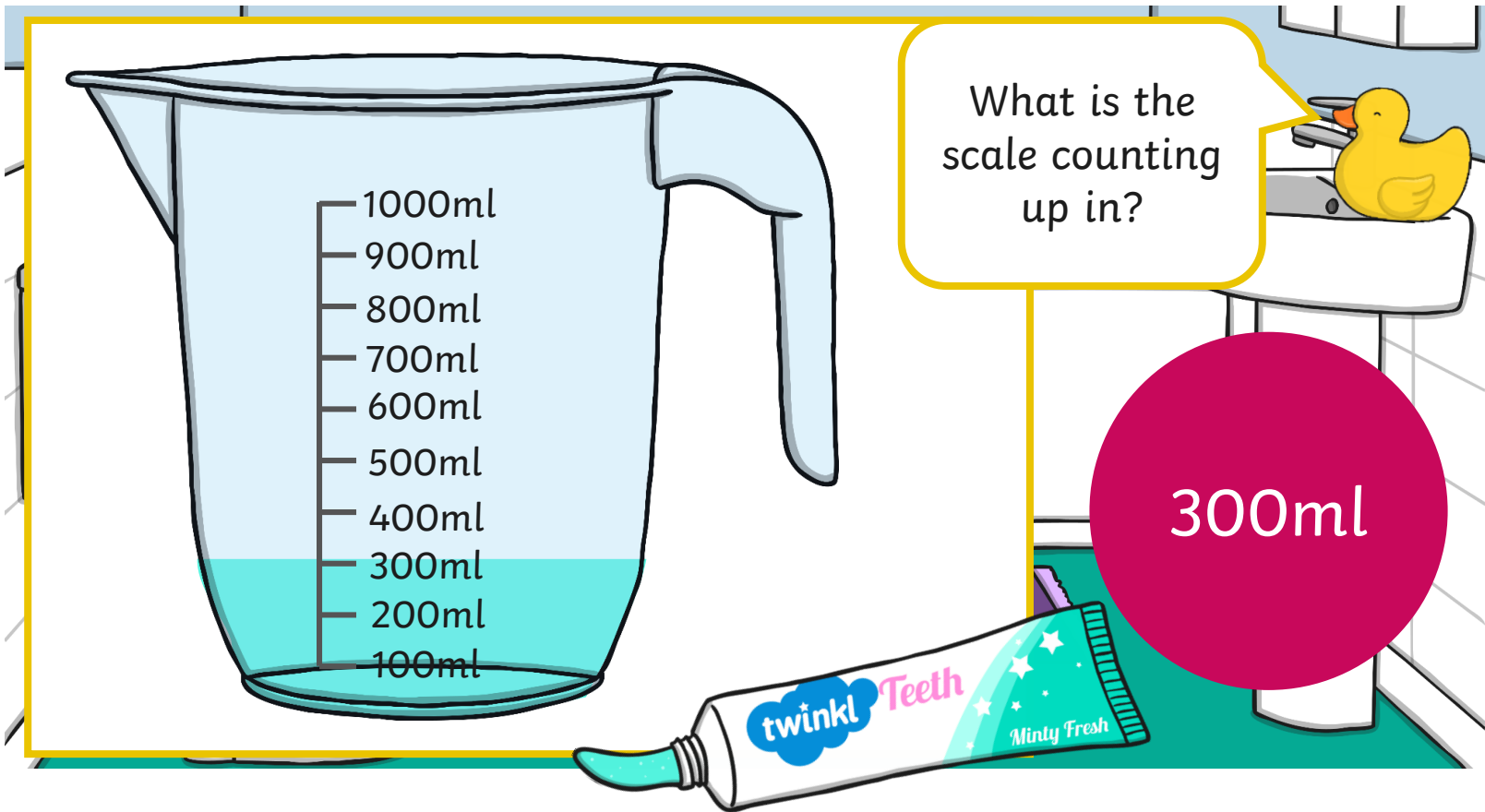
Count gradually up the scale as more liquid is added to the measuring beaker.

Reading Scales



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What volume of toothpaste is in the container?



What is the scale counting up in?

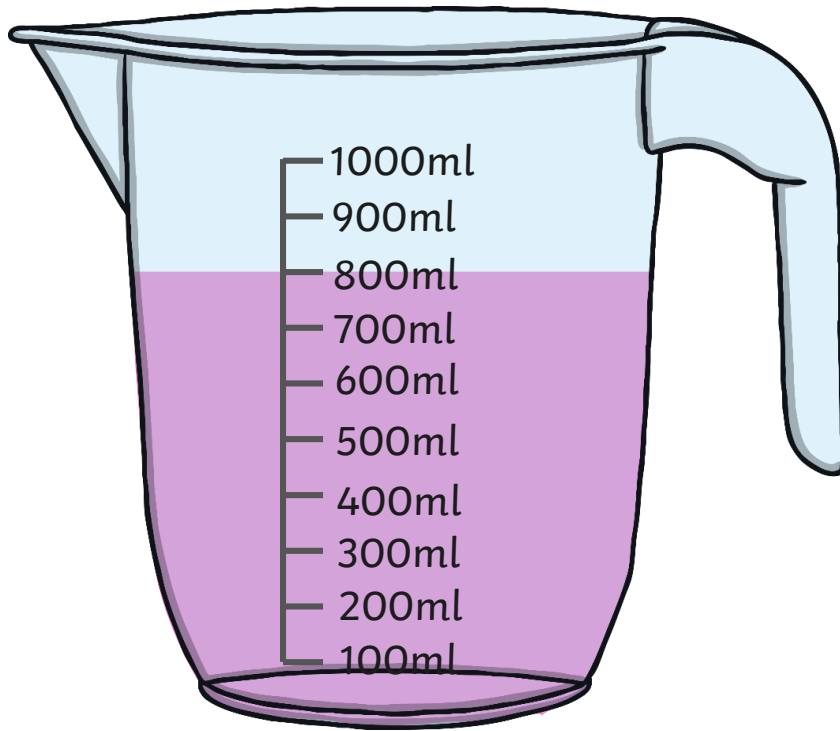
300ml

Reading Scales



?

What volume of shampoo is in the container?



What is the scale counting up in?



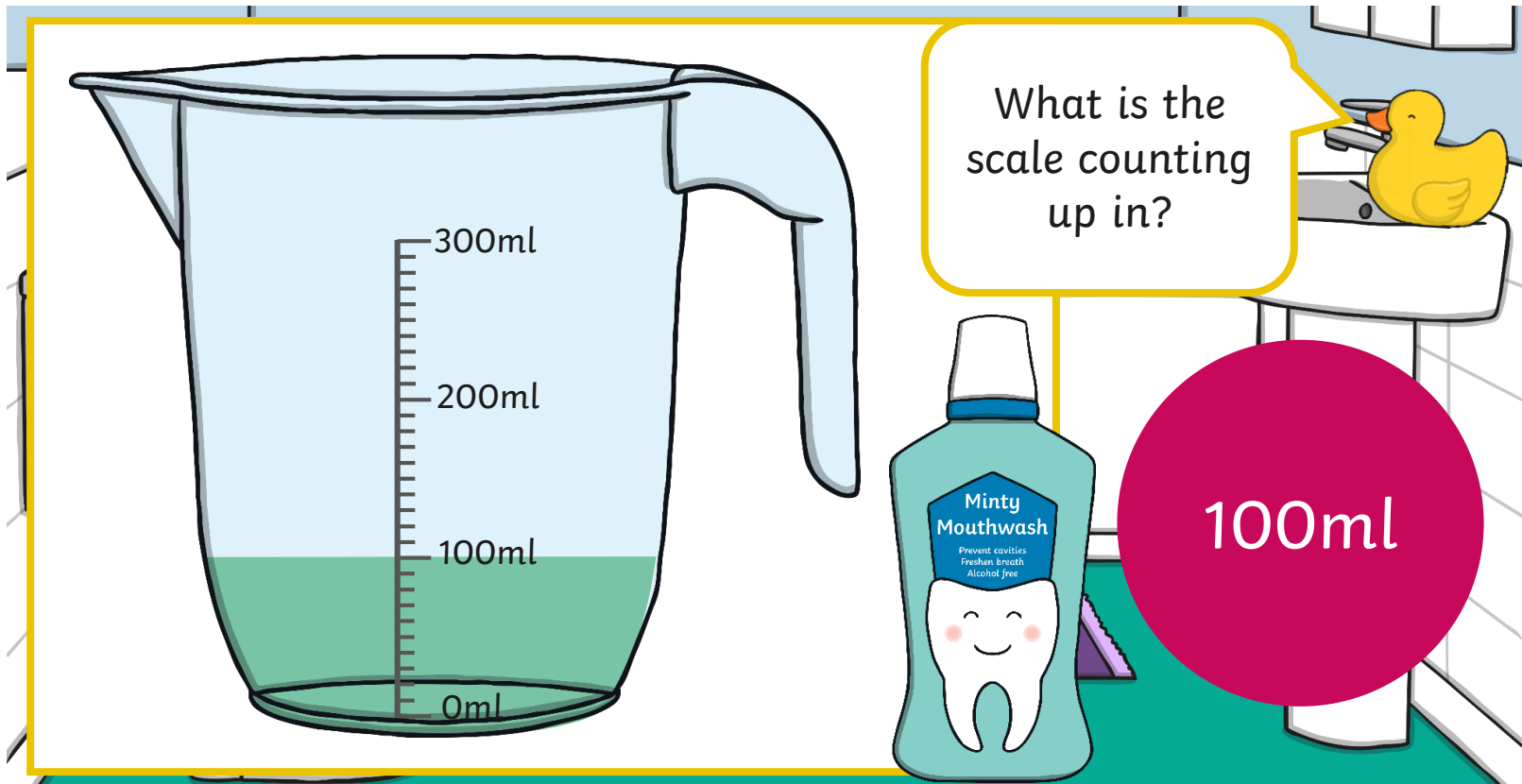
800ml

Reading Scales



?

What volume of mouthwash is in the container?

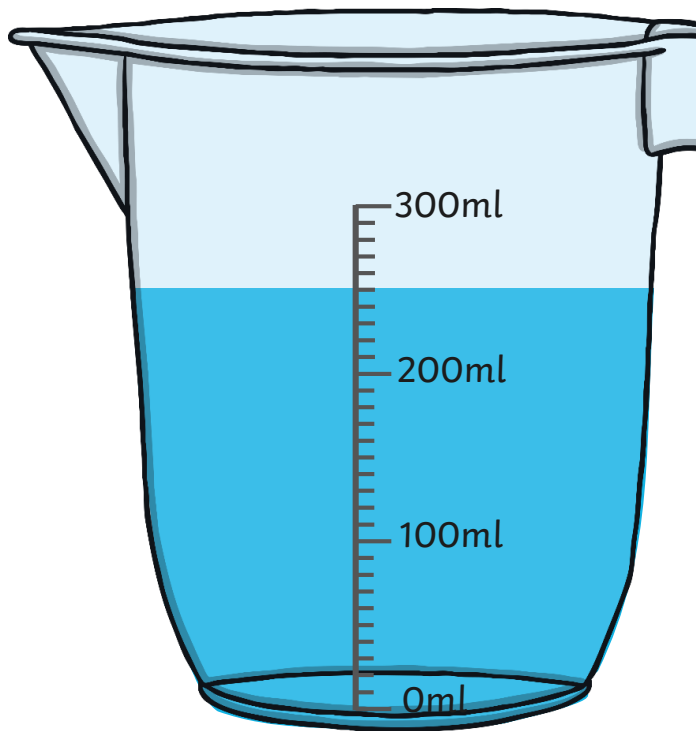


Reading Scales



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What volume of antibacterial hand wash is in the container?



The volume of liquid is between 200ml and 300ml. What number is half way between these two numbers?



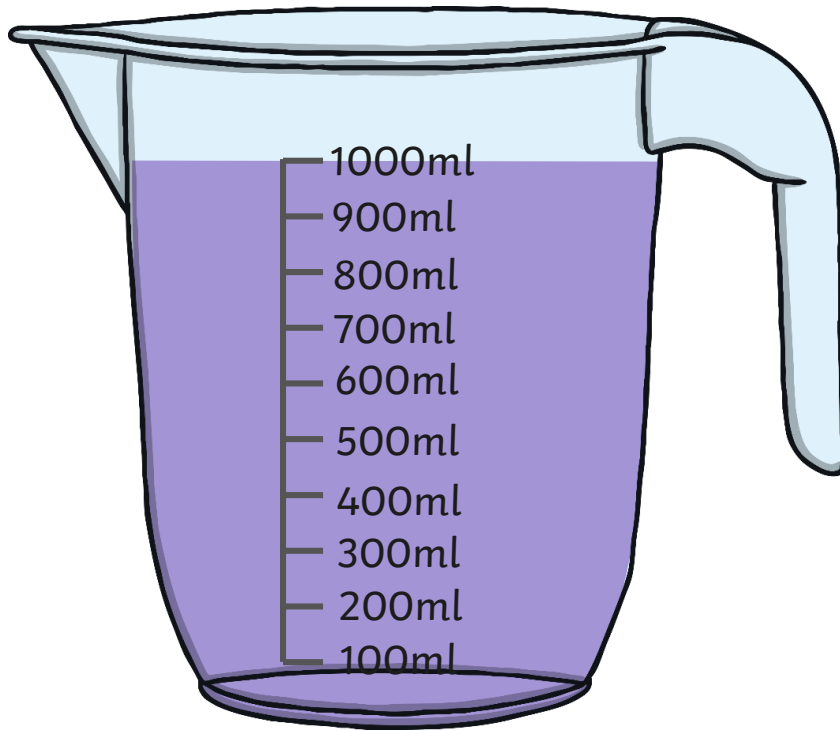
250ml

Reading Scales



?

What volume of conditioner is in the container?



Can we measure any more conditioner in this beaker?



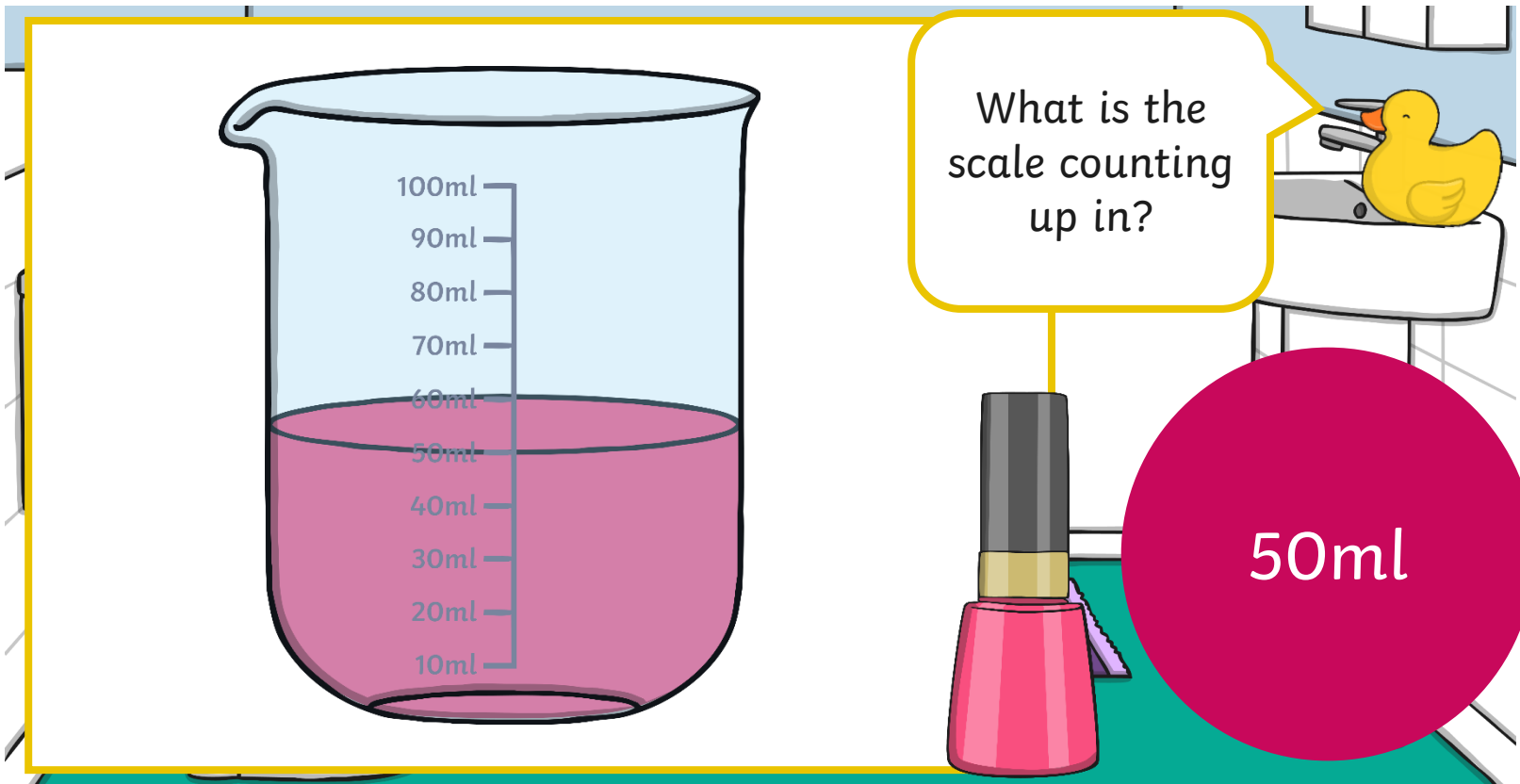
1000ml
or 1l

Reading Scales



?

What volume of nail varnish is in the container?

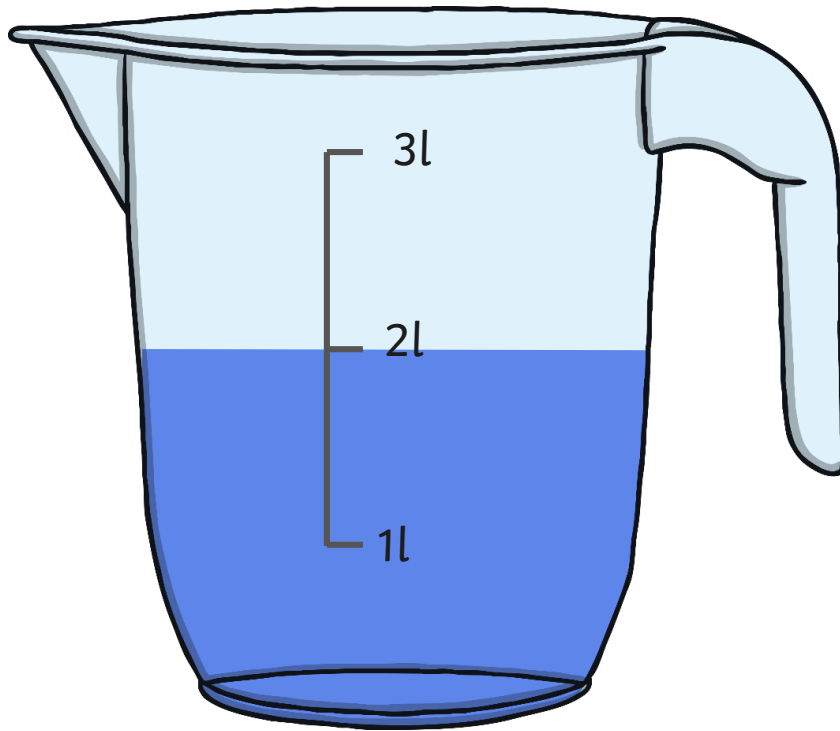


Reading Scales



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What volume of bubble bath is in the container?

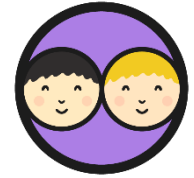


What is the scale counting up in?



2000ml
or 2l

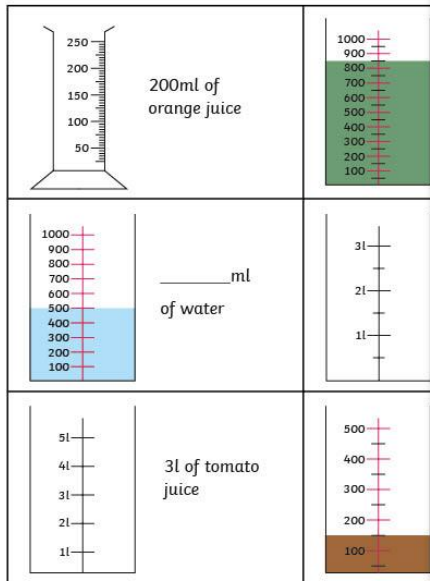
Capacity Activities



Vessel Volumes

To estimate and measure volume/capacity in litres and millilitres.

Help measure the volume of the containers by reading measuring vessels or colouring to show the volume of liquid.



Cubes in a Cup

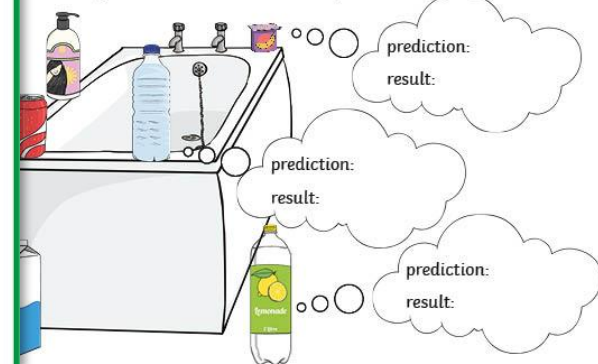
- ❓ Which container holds the most cubes?
- ❓ Which container holds the least cubes?
- ❓ Estimate how many cubes it will take to fill each container. Can you count to check?
- ❓ How many cubes will it take to fill the container half full?



Bathtub Concoctions

To estimate and measure volume/capacity in litres and millilitres.

Write your predictions in the clouds. Use measuring vessels to measure the volume of each container? Write your predictions in the clouds. Measure the volume of each concoction using litre and millilitre measuring vessels.



Maths | Year 2 | Measurement | Standard Units | Lesson 3 of 5: Capacity Concoctions



Diving into Mastery

Dive in by completing your own activity!





Measuring in Millilitres and Litres



Write 'ml' on the containers you would measure the capacity of in millimetres and 'l' on the ones that you would measure in litres.



Estimate the capacity of each container.

	200ml <input type="checkbox"/>		200ml <input type="checkbox"/>
	5l <input type="checkbox"/>		5l <input type="checkbox"/>
	1000ml <input type="checkbox"/>		1000ml <input type="checkbox"/>

Container Capacities



?

Can you estimate and match these containers to their capacities?



1l

200ml

10ml



Container Capacities



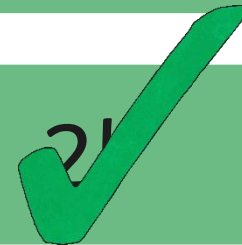
?

Can you estimate and match these containers to their capacities?



100ml

10ml



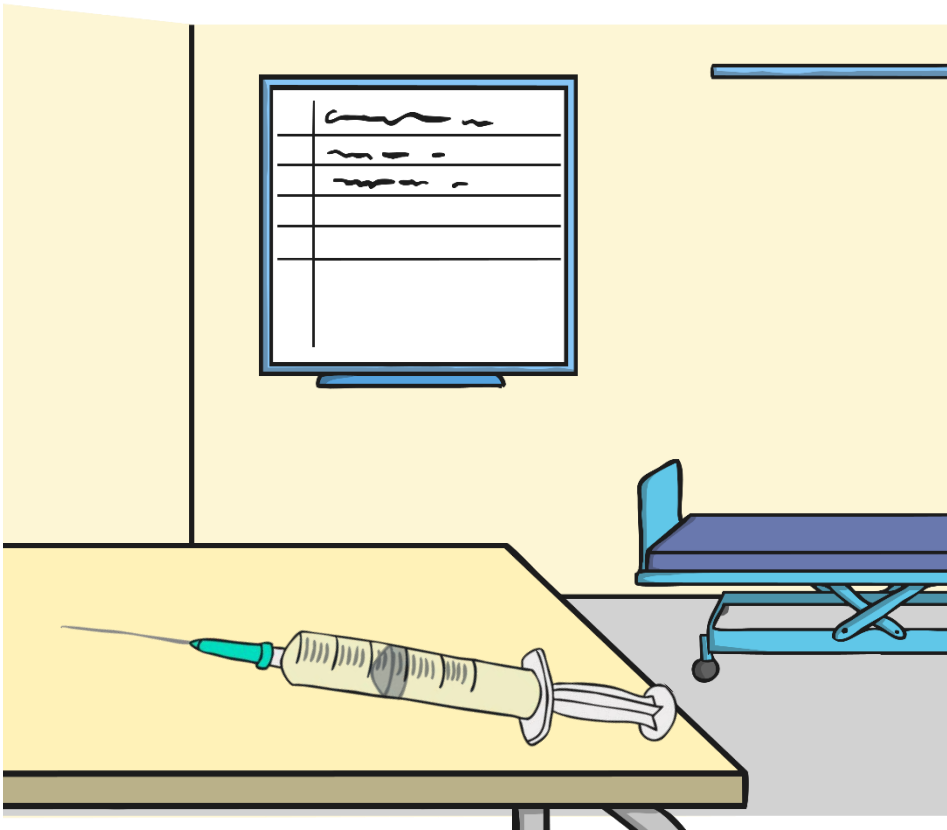
2l

Container Capacities



?

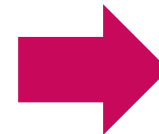
Can you estimate and match these containers to their capacities?



10ml

3l

1l

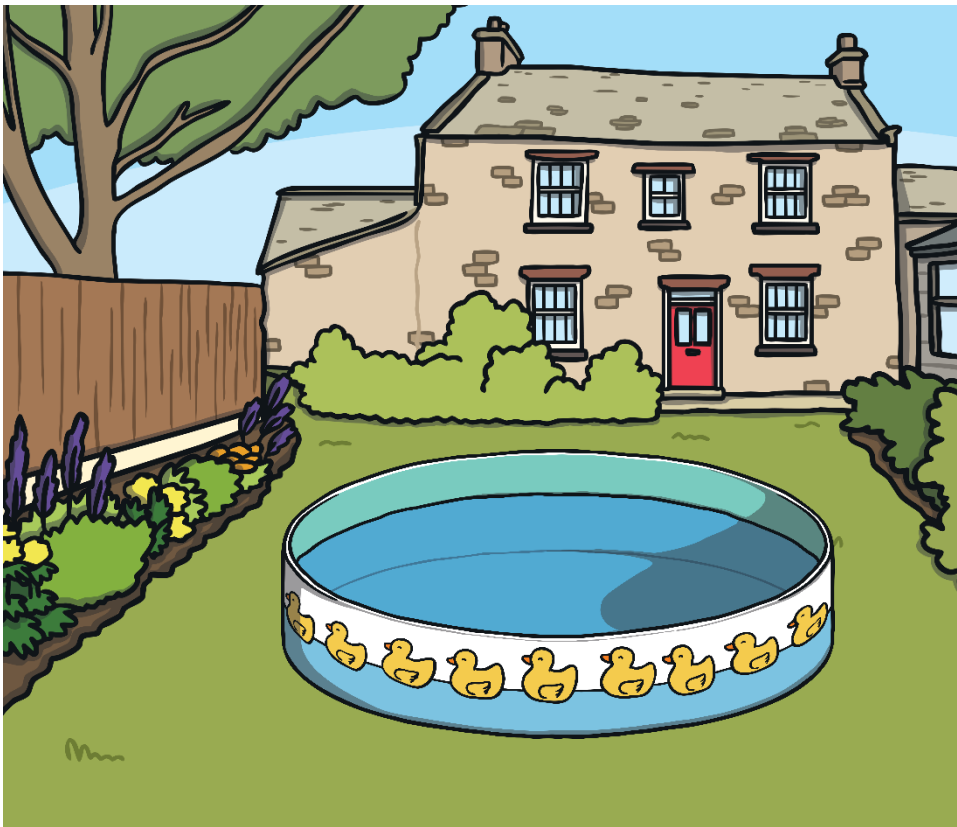


Container Capacities



?

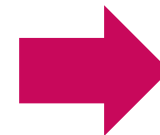
Can you estimate and match these containers to their capacities?



200ml

700l

2l

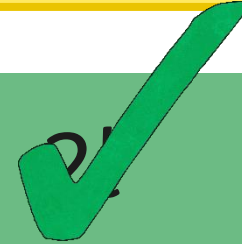
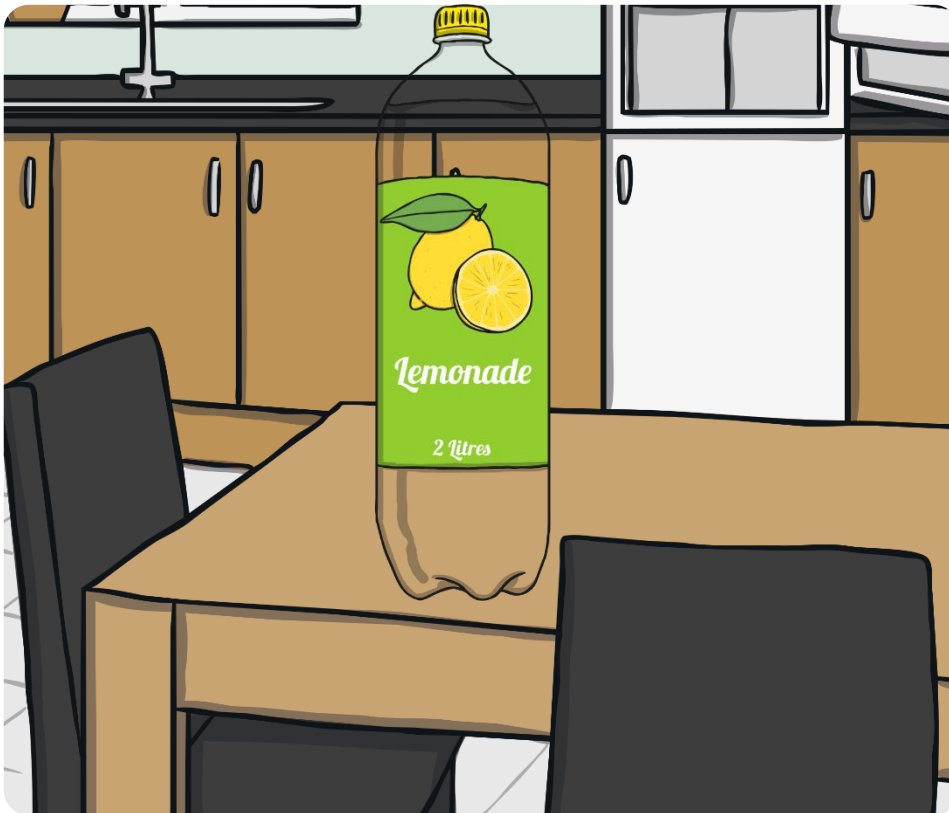


Container Capacities



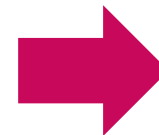
?

Can you estimate and match these containers to their capacities?



10l

100ml

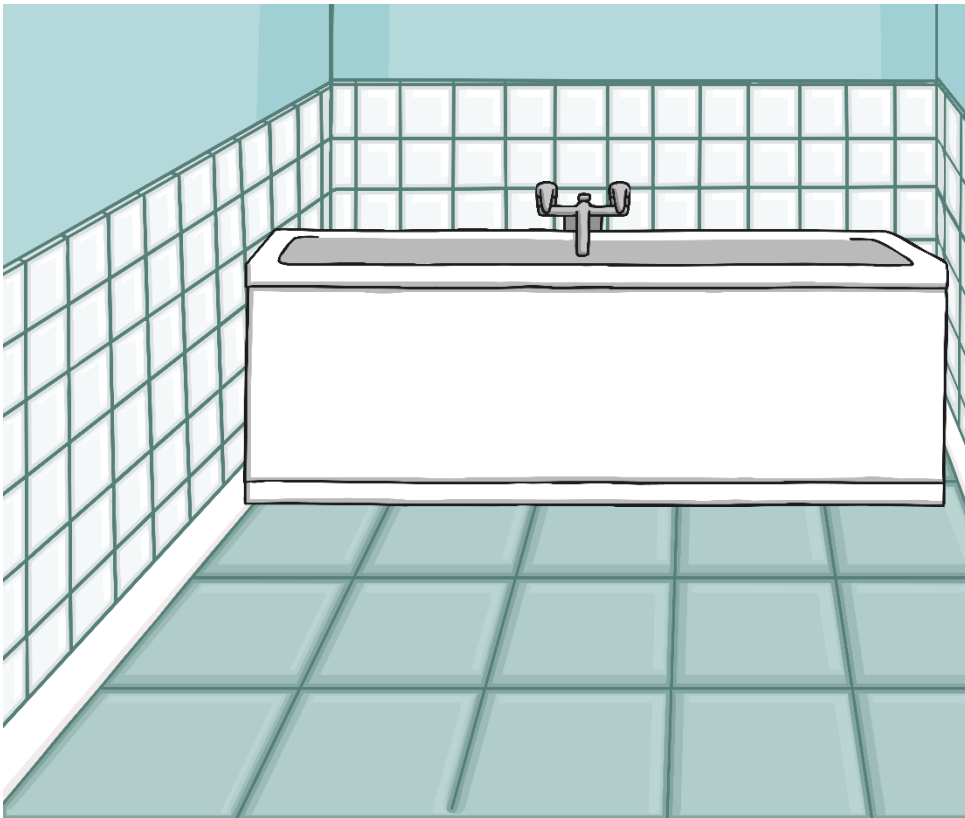


Container Capacities



?

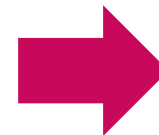
Can you estimate and match these containers to their capacities?



800ml

8ml

80l



Aim



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Success Criteria

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- I can estimate volume/capacity.
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