Our Maths Learning Journey

Volume

Key vocabulary:

Half

Quarter

Third

Equivalent

Equal part

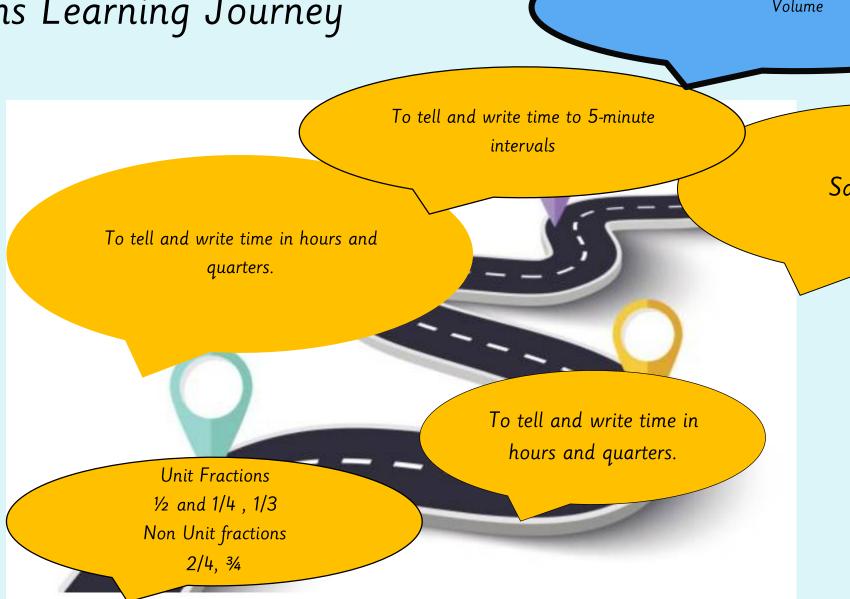
Numerator

Denominator

Fraction

Unit fraction

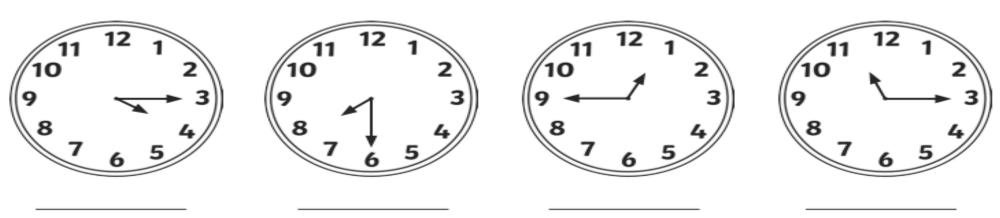
Non-unit fraction



Sats papers

challenge

Write the time shown on each clock.



#### Challenge:

Write the digital time that is **half an hour after** the time shown on each analogue clock.











13.05.2024

LQ: Can I measure volume in millilitres?



### Steps to Success:

I can identify tools that help me measure volume.

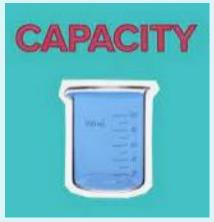
I can measure the volume in standard units (millilitres).





# volume





litres

# millilitres

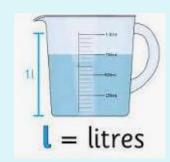


scale

#### measure



compare



#### 13.05.2024

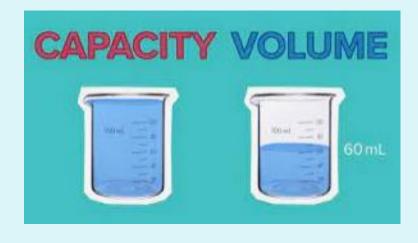
#### LQ: Can I measure volume in millilitres?



## Today you are going to recap about volume and capacity.

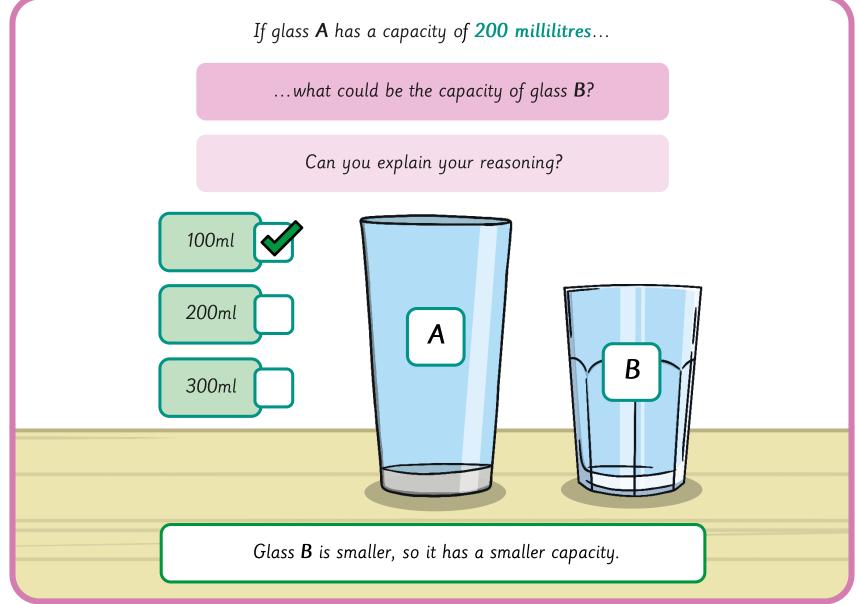
Volume is the amount of space a 3D shape takes up. Capacity is the amount a shape or container can hold. We measure capacity in millilitres (ml) or litres (L).

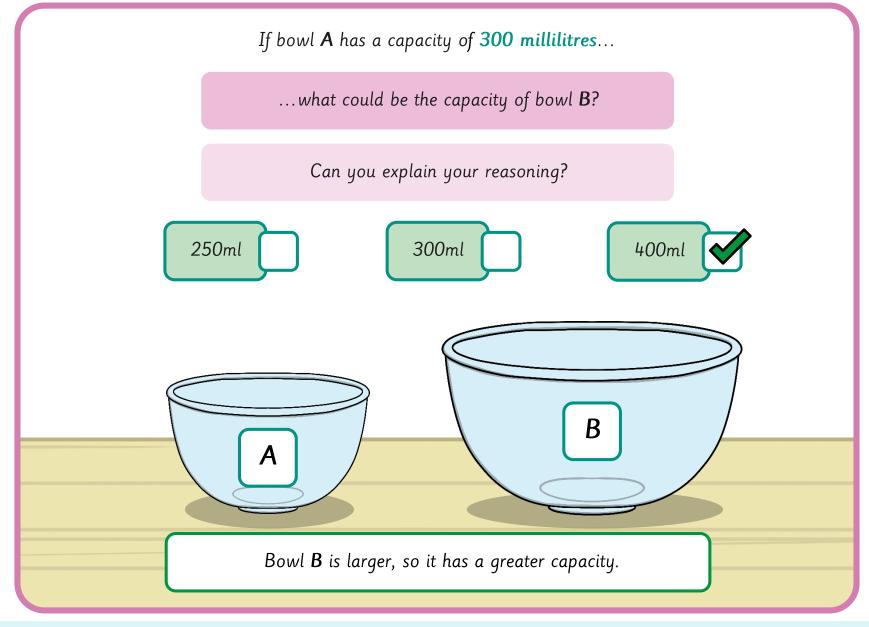
Volume is how much a container can hold in total.

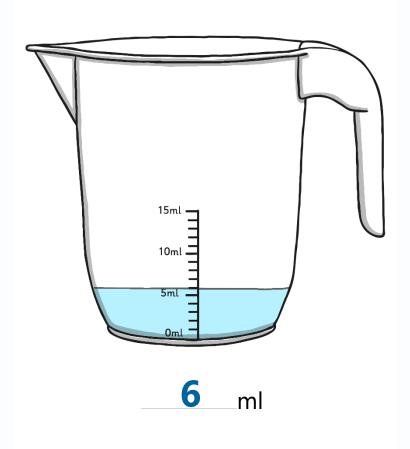


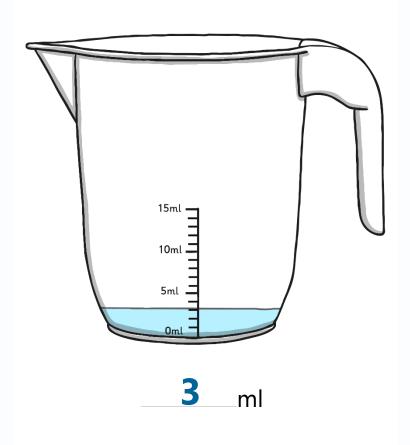
Capacity is how much is filled up. There is 60ml of water in this container.

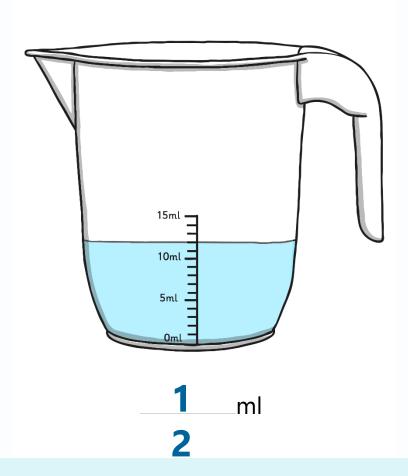
1000 millilitres = 1 litre

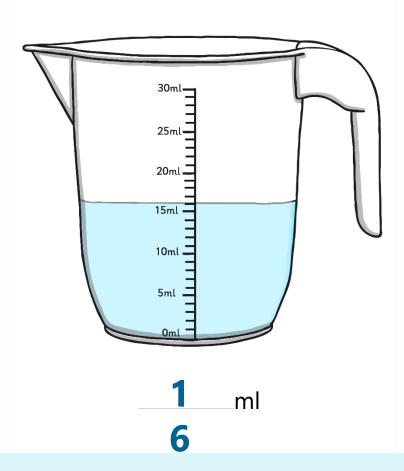


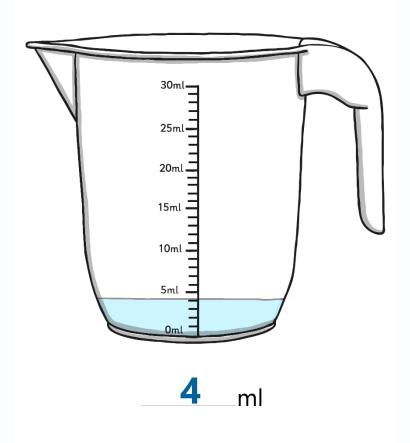






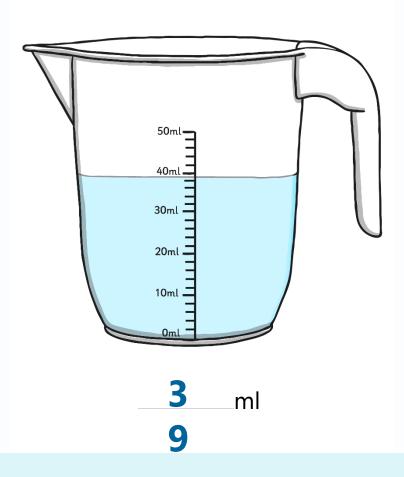


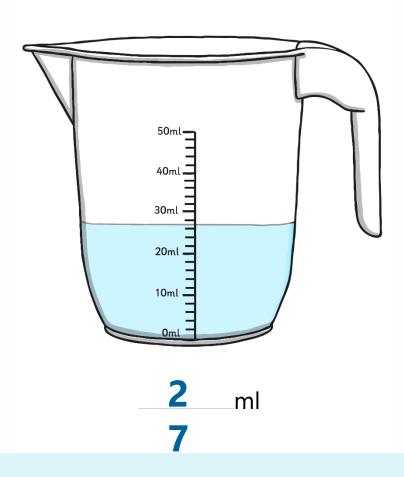


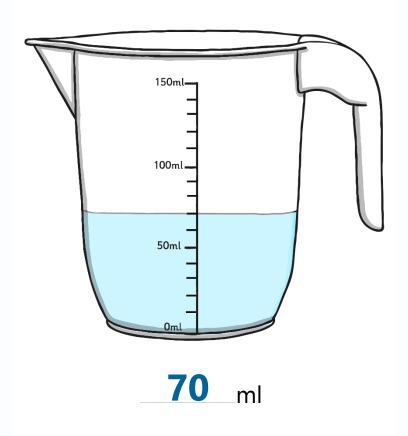


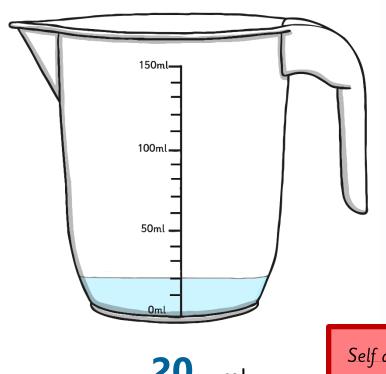








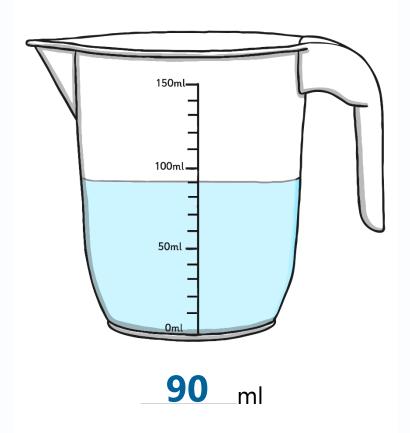




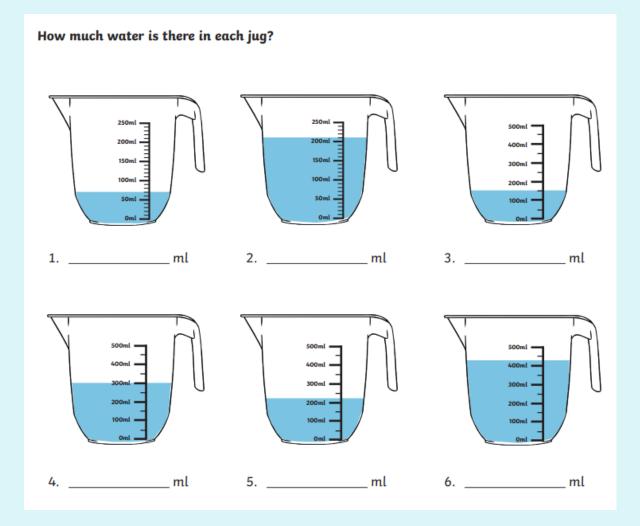
Self assessment

Do you understand how to measure in millilitres?

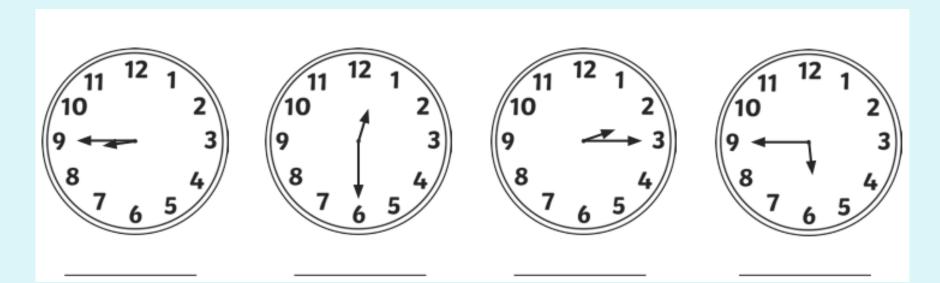




# Self assessment Do you understand what to do?



Let's practice measuring volume in millilitres.

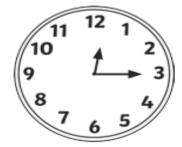


#### Challenge

Write the digital time that is **half an hour before** the time shown on each analogue clock.











#### 14.05.2024

#### LQ: Can I measure volume in litres?

#### Steps to Success:

I can identify tools that help me measure volume.

I can measure the volume in standard units (litres).

I can record the volume in litres.

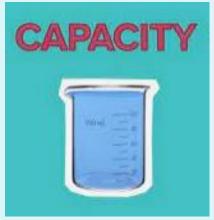






# volume

# capacity



litres



# millilitres



scale





compare



## TP - What do you remember about volume and capacity?

Capacity is how much a container can hold in total.



Volume is how much is filled up. There is 60ml of water in this container.

1000 millilitres = 1 litre

14.05.2024

LQ: Can I measure volume in litres?

Today we are going to measure volumes in litres.

What does the 'l' stand for?

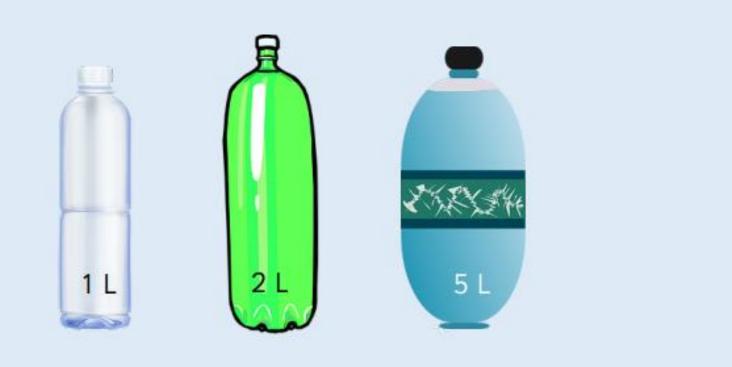


The 'l' stand for litre.

Litre is a larger unit to measure volume. 1 litre of water equals to 1000 millilitres.

We use litres for larger quantities of liquid.

LQ: Can I measure volume in litres?



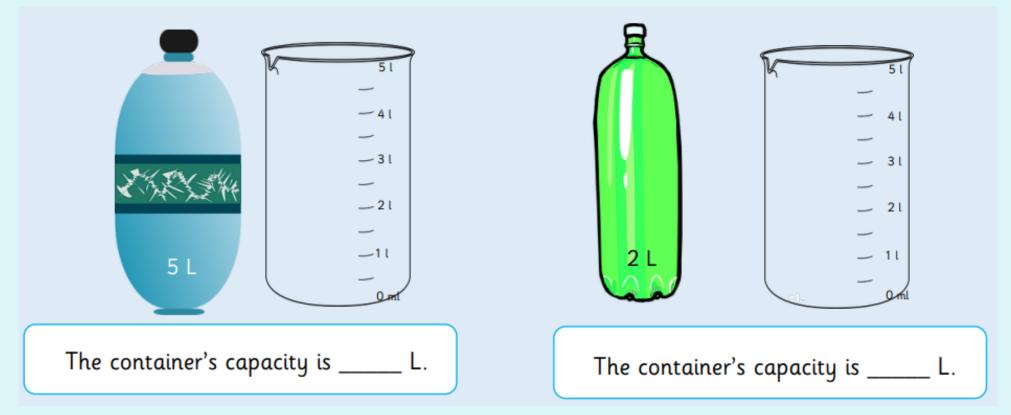
Can we measure these in ml as well?

What is the same about millilitres and litres?

What is different about them?

#### 16.06.22

#### LQ: Can I measure volume in litres?



If we poured 2 L of water into the cylinder, what would the volume in the cylinder be?

What would the volume in the bottle be?

14.05.2024

LQ: Can I measure volume in litres?

Self assessment

Do you understand how to measure volume in litres?

Let's use different containers. Estimate the capacity of each one, then measure the capacity in litres.

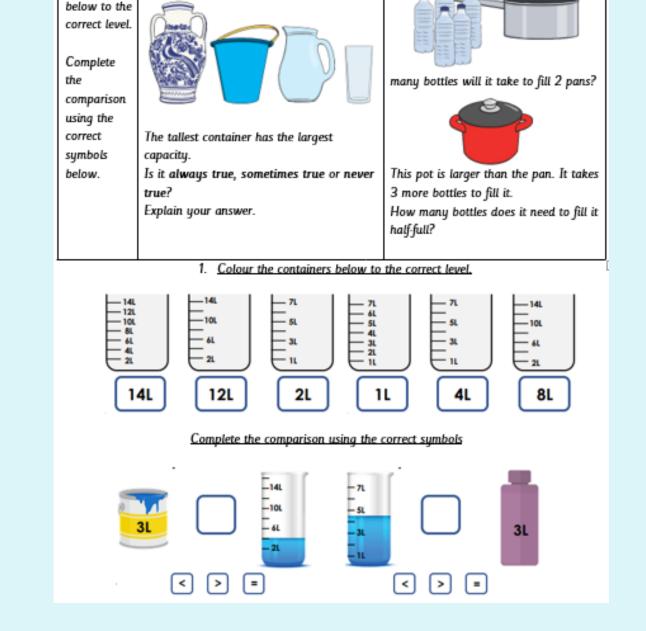


I will pour the water from the small water bottle into the larger bottle. Do you think it will fill the larger bottle up? Why/Why not?

14.05.2024

#### LQ: Can I measure volume in litres?

Complete the tasks in your book.



It takes 5 bottles to fill the pan. How

Look carefully at the containers.

Colour the

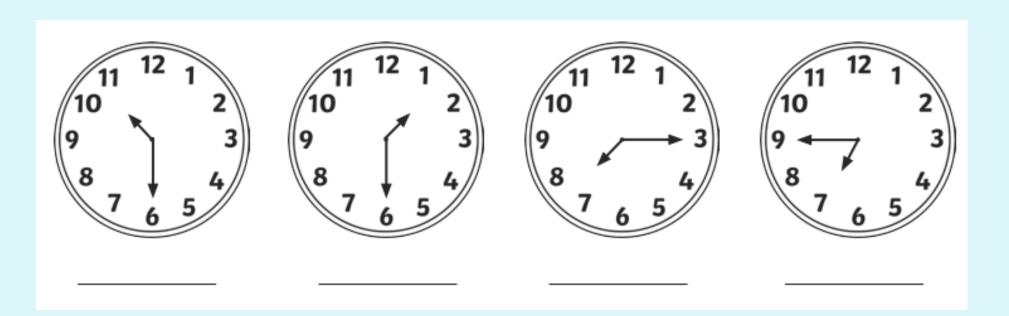
containers

Self assessment

Do you understand what to do?

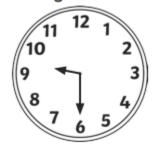


#### Mental Maths



#### Challenge

Write the digital time that is **15 minutes after** the time shown on each analogue clock.







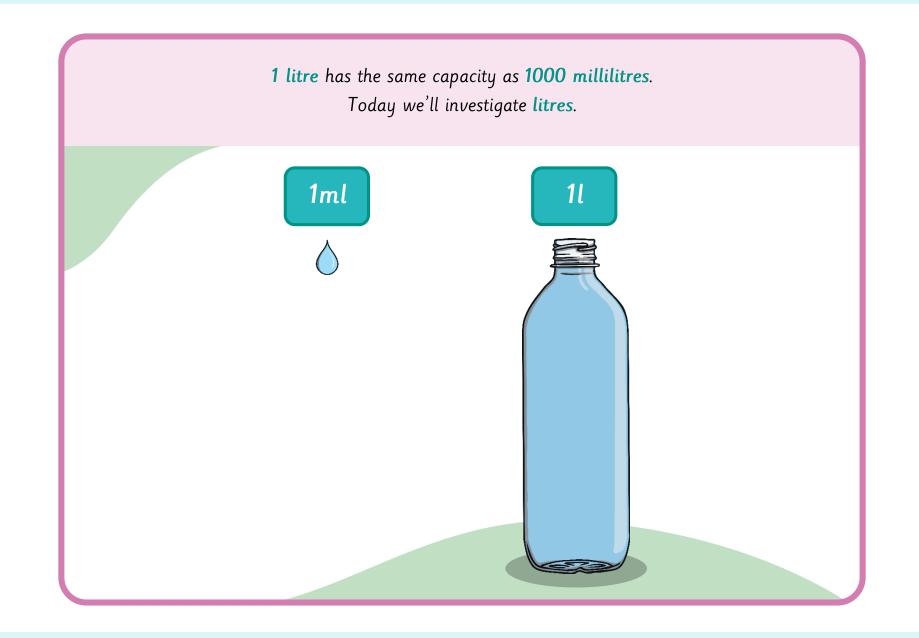


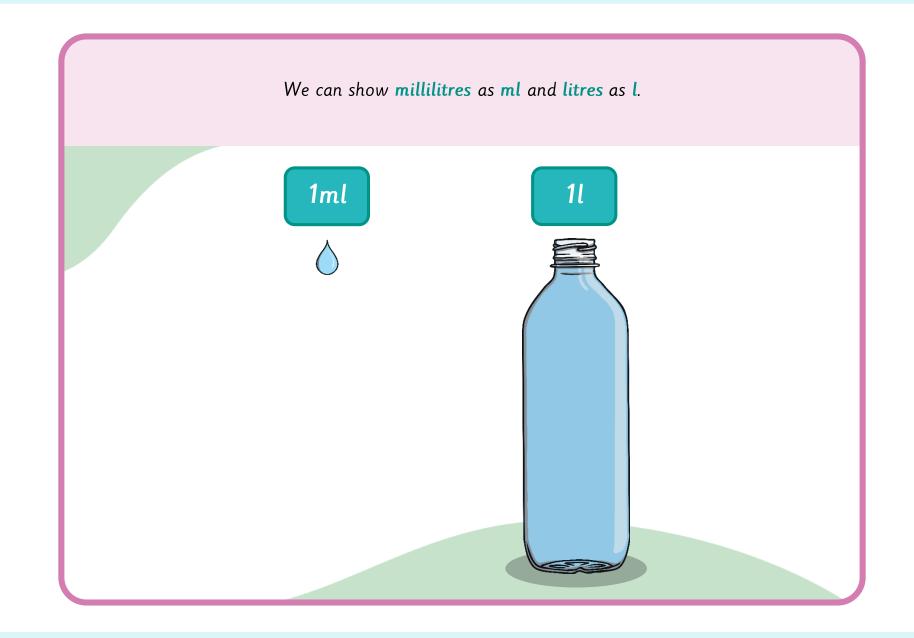
#### Aim

• To measure volume and capacity in litres.

#### Success Criteria

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- Stateme
  - Sub
- I can use measuring vessels to measure volume and capacity in litres.
- I can estimate volume and capacity in litres.
- I can read and mark scales showing volume and capacity in litres.
- I can solve challenges relating to measuring litres.







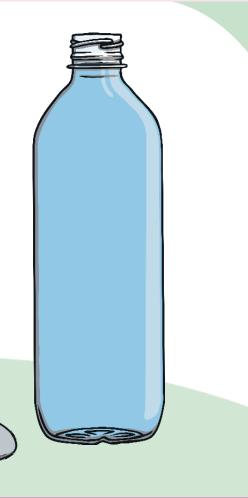
Which would you choose to measure litres?

Can you explain why?

The spoon holds 5 or 10 millilitres.

1 litre is greater than 5 or 10 millilitres.

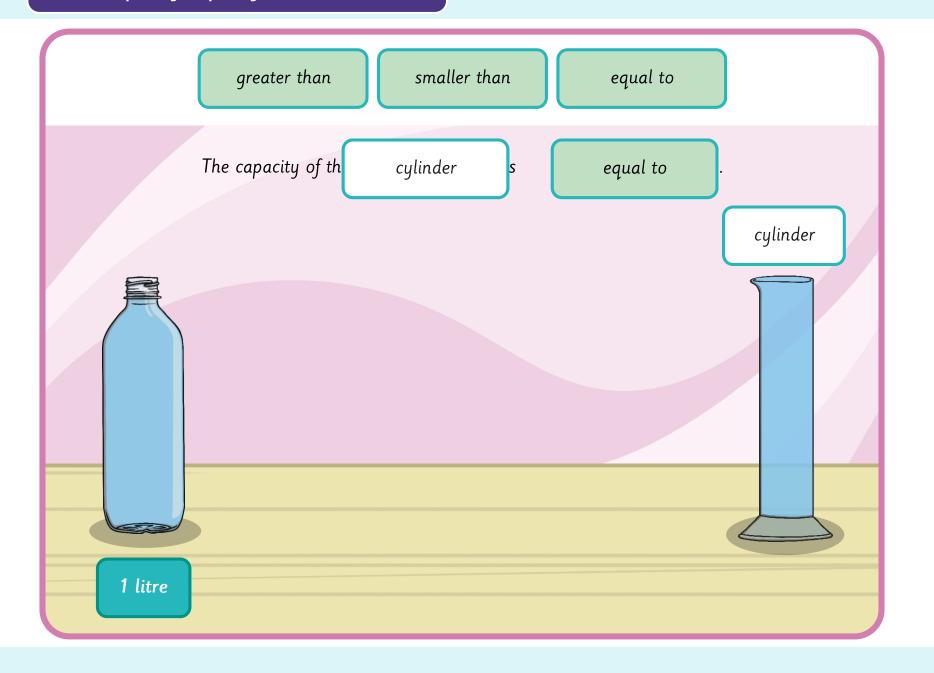
The bottle has a greater capacity, so would be a better choice.









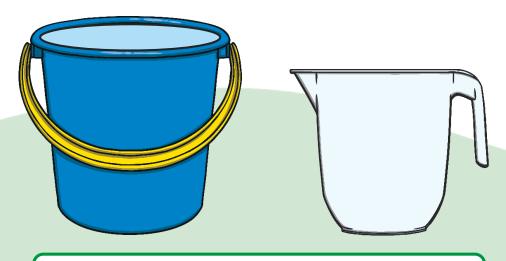


## Measuring Capacity with Litre Units

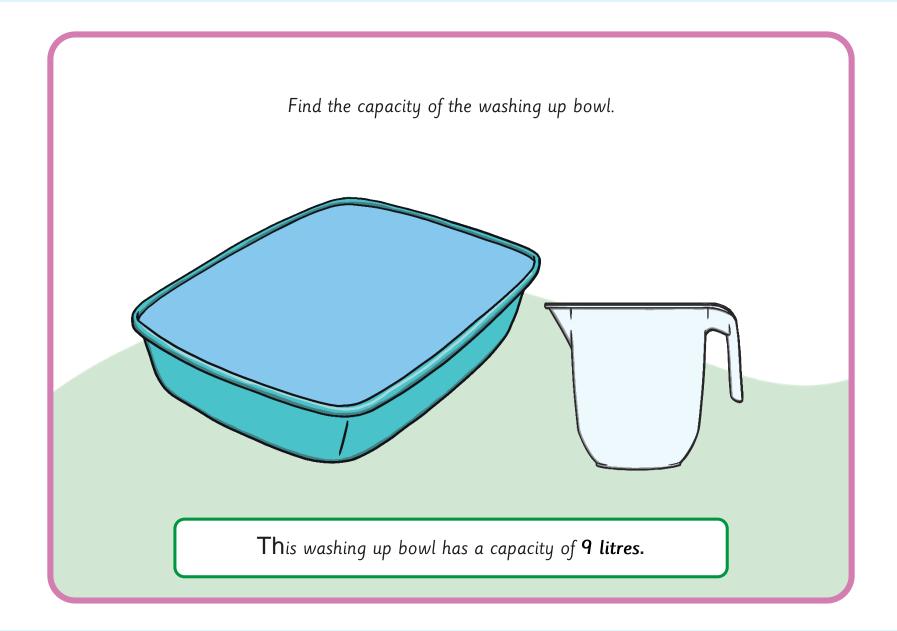
How can we use the 1 litre jug to find the capacity of the bucket?

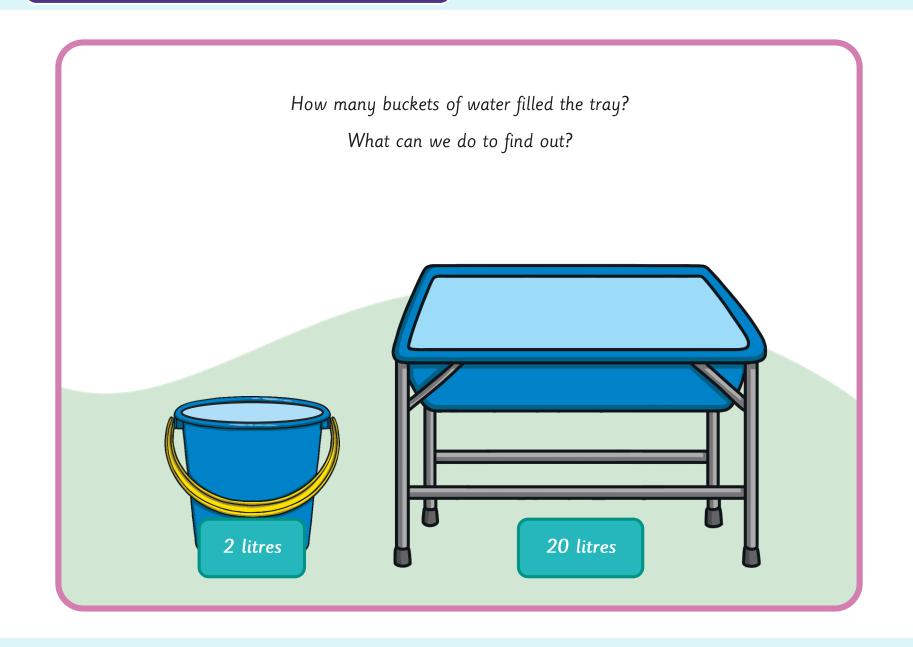
Fill the jug and pour it into the bucket.

Repeat until the bucket is full.

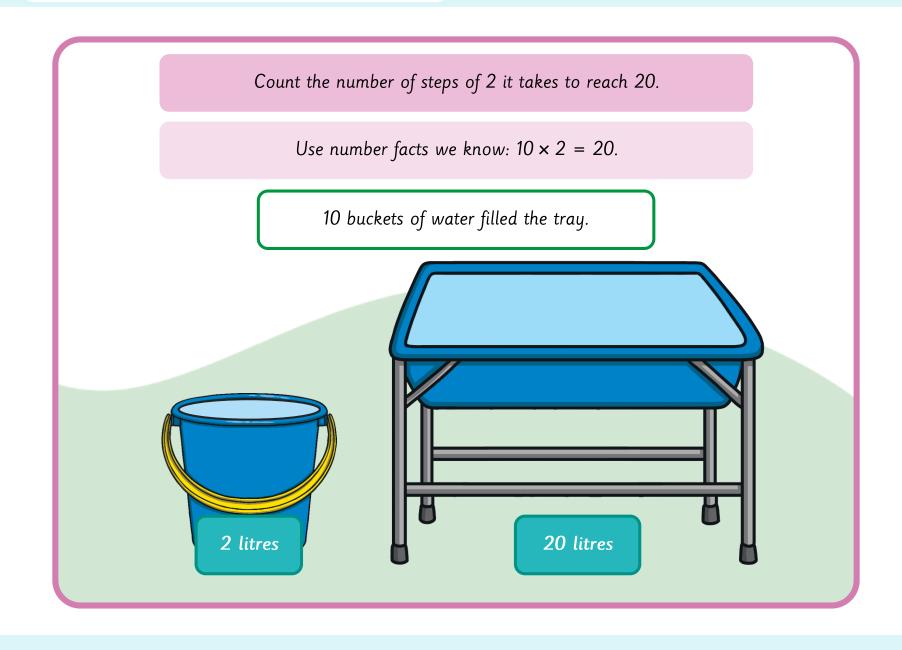


This bucket has a capacity of 2 litres.

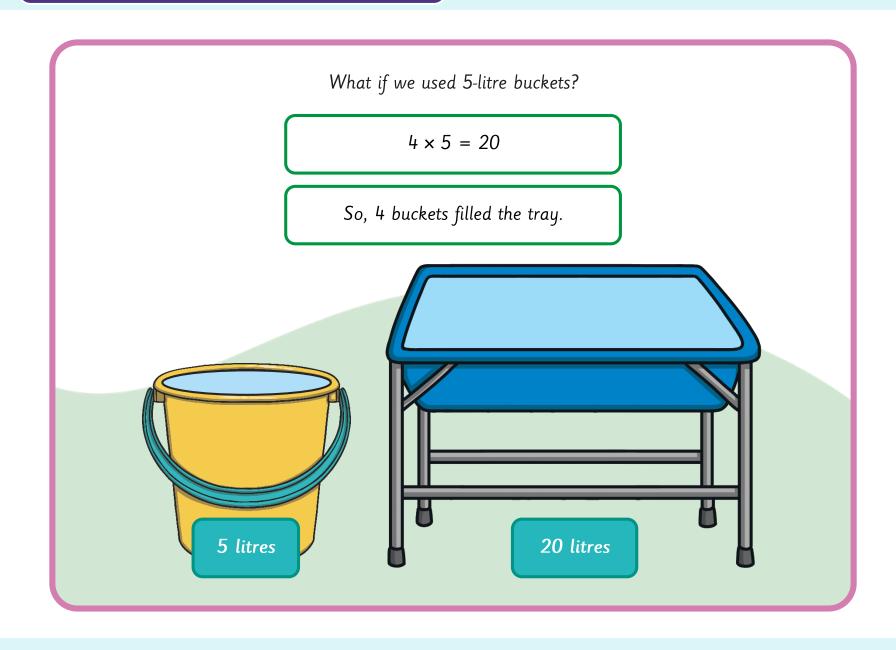




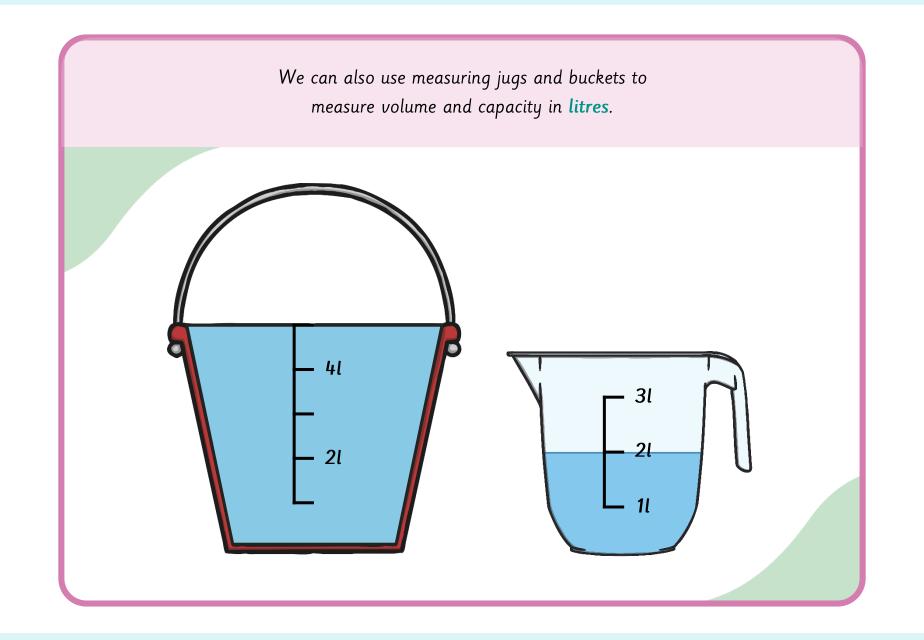
## Measuring Capacity with Litre Units

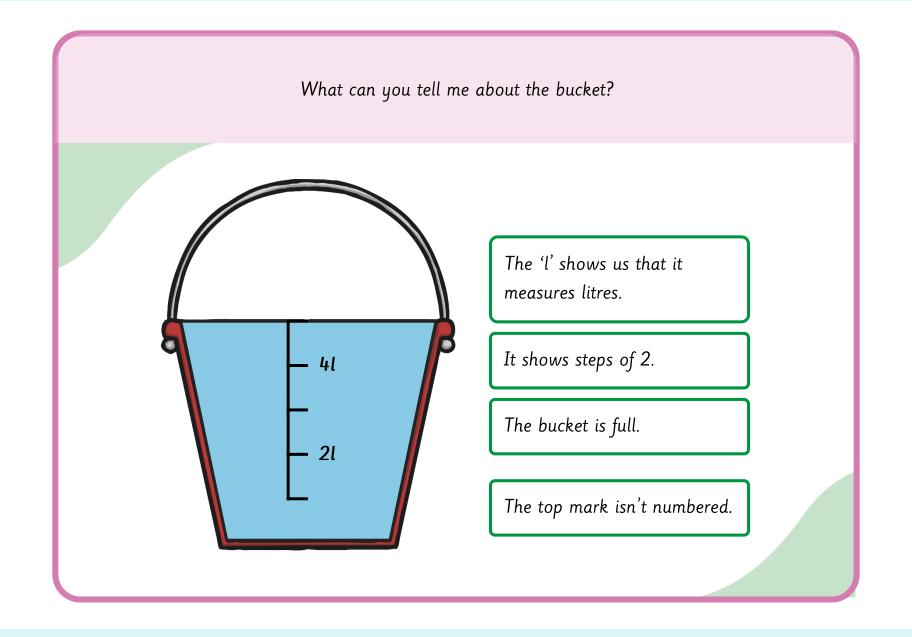


## Measuring Capacity with Litre Units

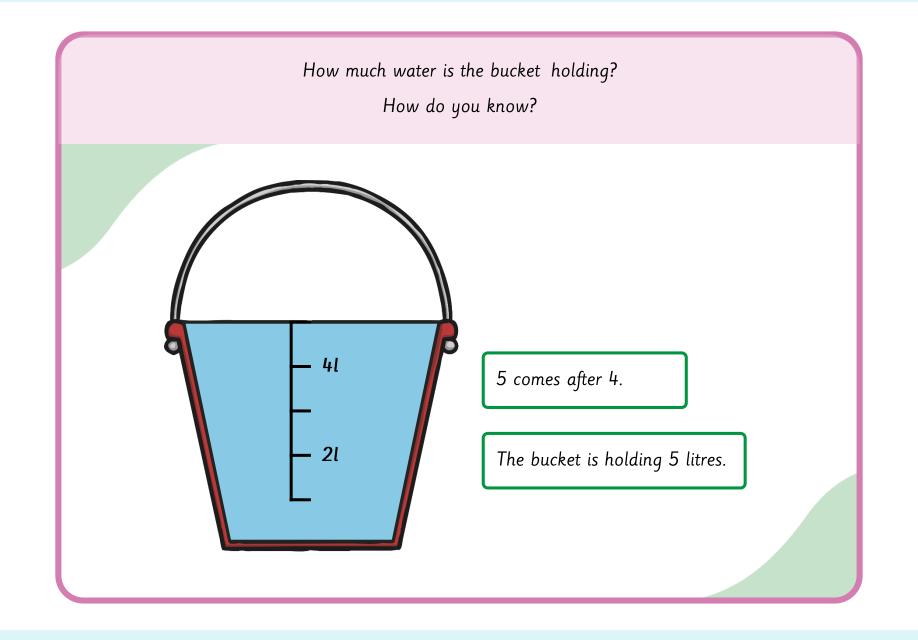


## Reading Scales to Measure Volume and Capacity in Litres

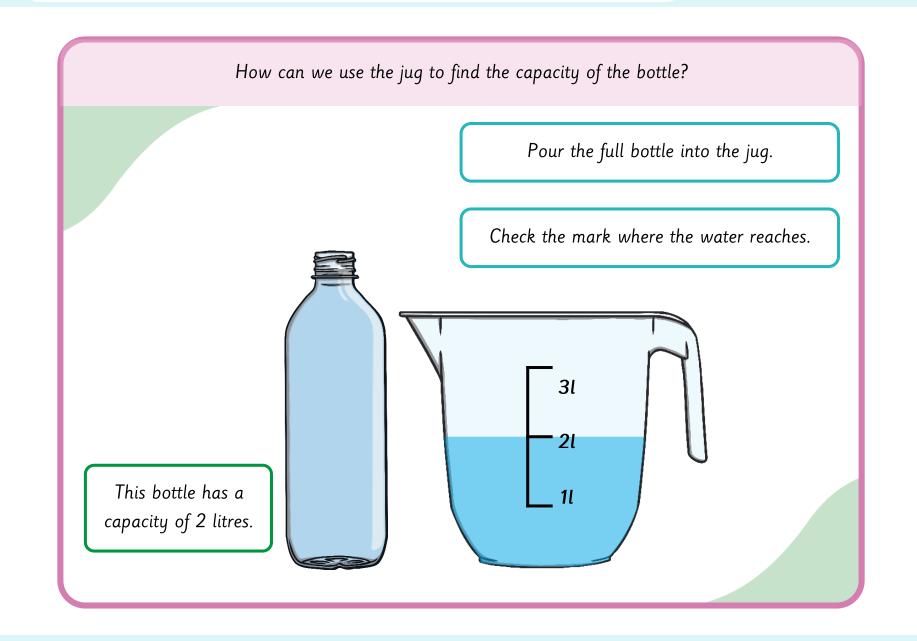


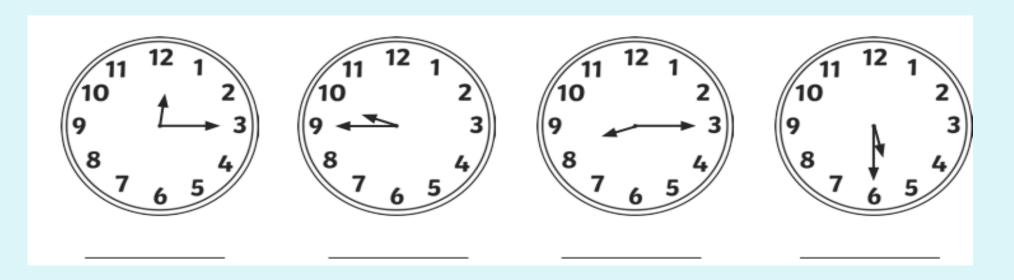


## Reading Scales to Measure Volume and Capacity in Litres



## Reading Scales to Measure Volume and Capacity in Litres



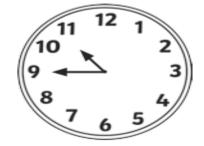


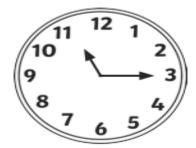
## Challenge:

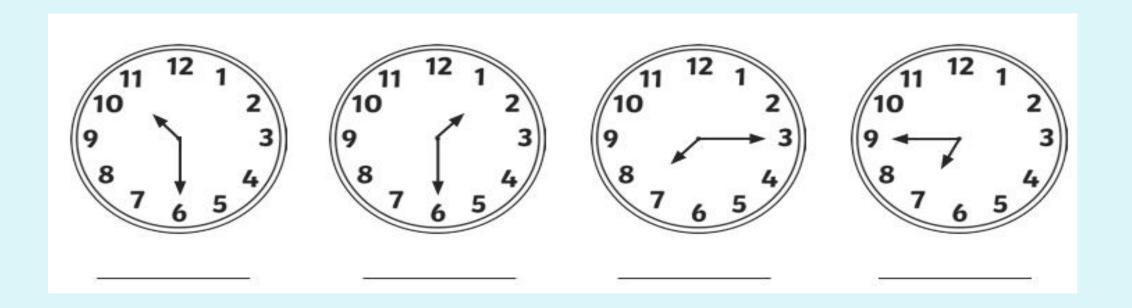
Write the digital time that is **15 minutes after** the time shown on each analogue clock.











# Challenge

Write the digital time that is **15 minutes before** the time shown on eaclandlogue clock.







