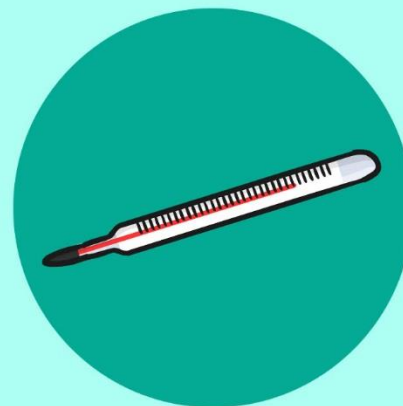
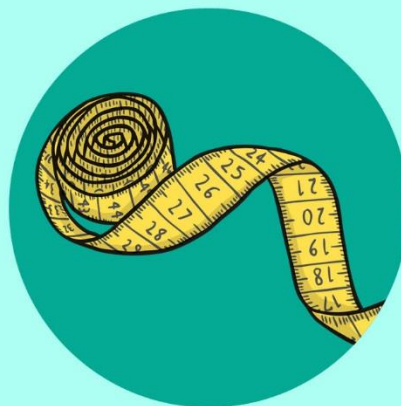


Reading and Comparing Scales

In the context of capacity, weight, length and temperature.

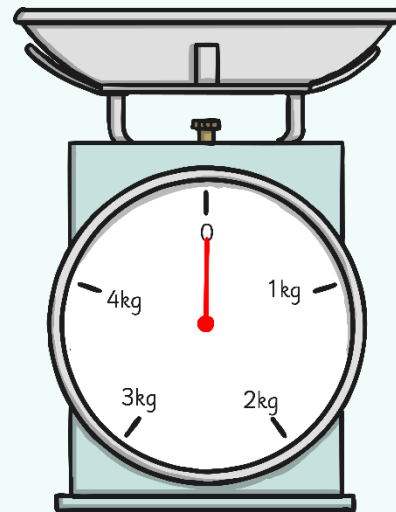
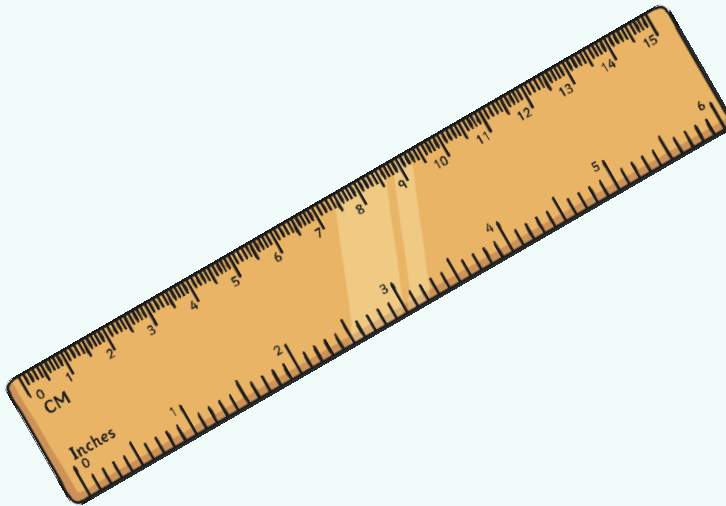


Scales

Where would you see a scale?

How many different places can you think of?

How many different types can you think of?



Did You Think of All These?



Photo courtesy of (@flickr.com) - granted under creative commons licence - janitors

speedometer



Photo courtesy of (@flickr.com) - granted under creative commons licence - ruthanddave

measuring jug



Photo courtesy of (@flickr.com) - granted under creative commons licence - 48625620@N00

weighing scale



Photo courtesy of (@flickr.com) - granted under creative commons licence - iliahi

30cm ruler



Photo courtesy of (@flickr.com) - granted under creative commons licence - victor

metre stick



Photo courtesy of (@flickr.com) - granted under creative commons licence - wscience

thermometer



Photo courtesy of (@flickr.com) - granted under creative commons licence - dptr

bathroom scale



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flood measurement

Scales Can Be in a Straight Line

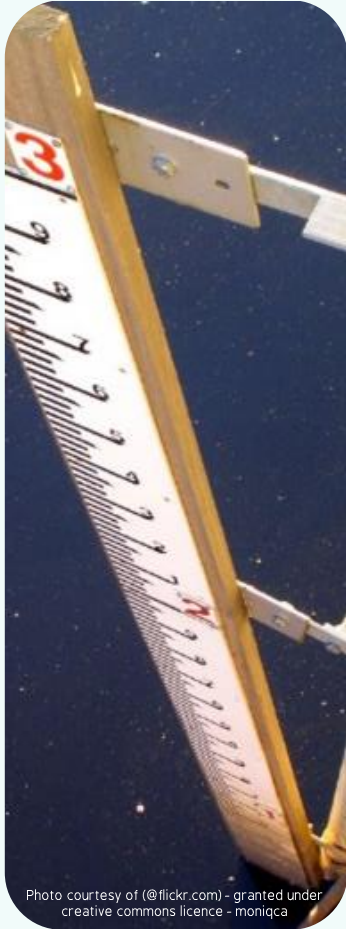


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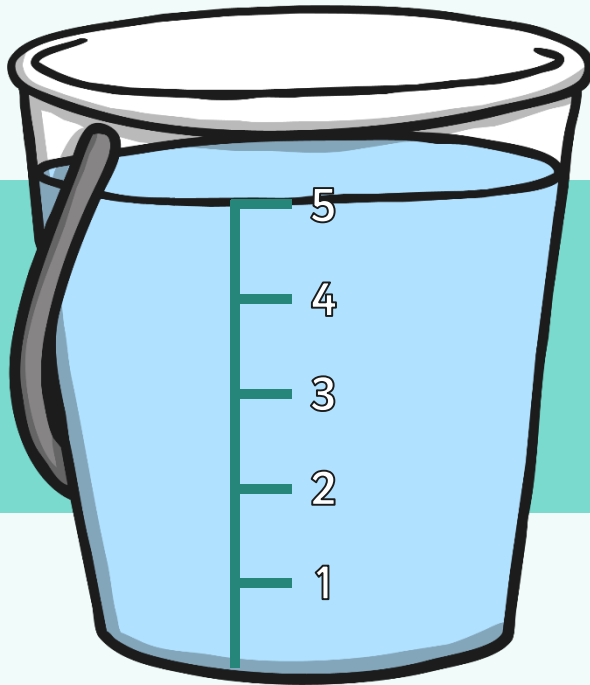
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...or Circular



A circular scale is just like a number line that has been curved round.

Reading Scales



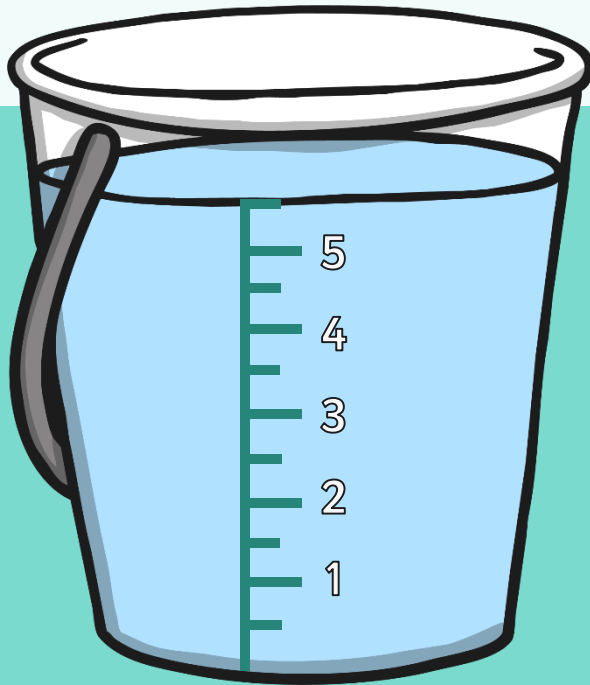
Find zero

Look at the numbers

Do the numbers go up in ones?

This one is straightforward because all the lines are numbered.
How much water is in the bucket?

Reading Scales



Find zero

Look at the numbers

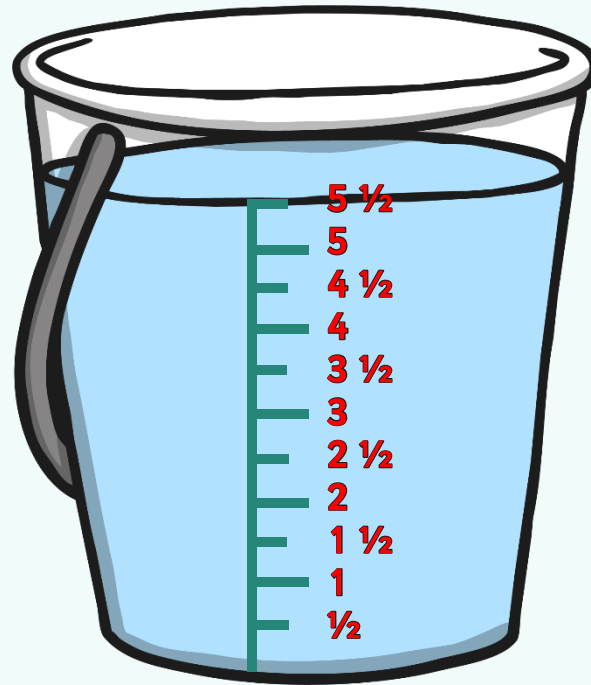
Do the numbers go up in ones?

**Are there any extra lines
between the numbers?**

**What do you think each
extra line represents?**

**Test your theory by counting
up the scale.**

Reading Scales



The scale goes up in $\frac{1}{2}$ litres, we have tested it by counting up.
How much water is in the bucket?

Keep Using The Tips...

Find zero

Look at the numbers – what do they go up in?

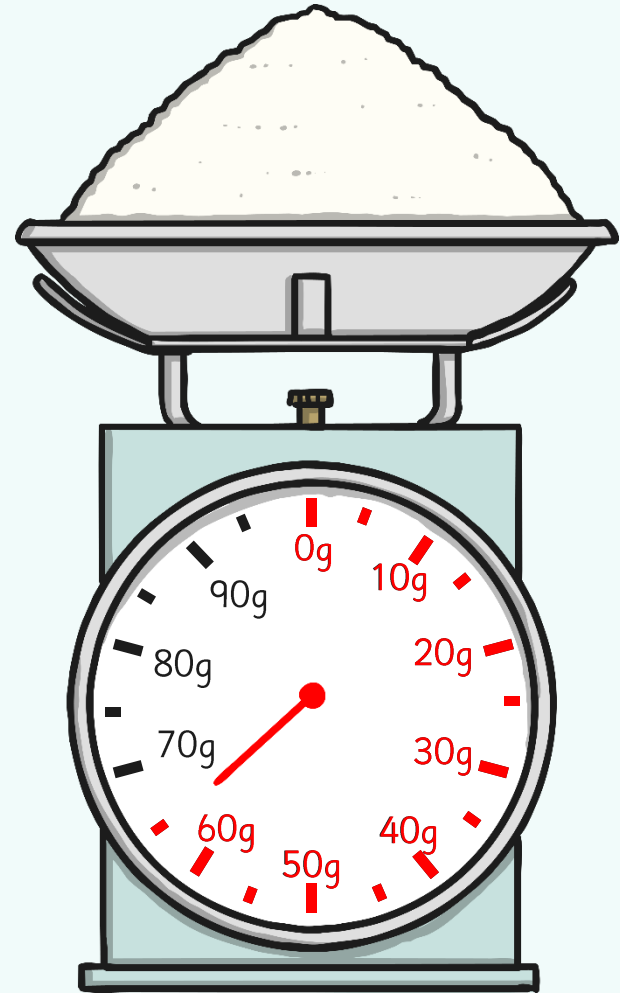
Are there any extra lines between the numbers?

What do you think they represent?

Test your theory by counting between the numbers.

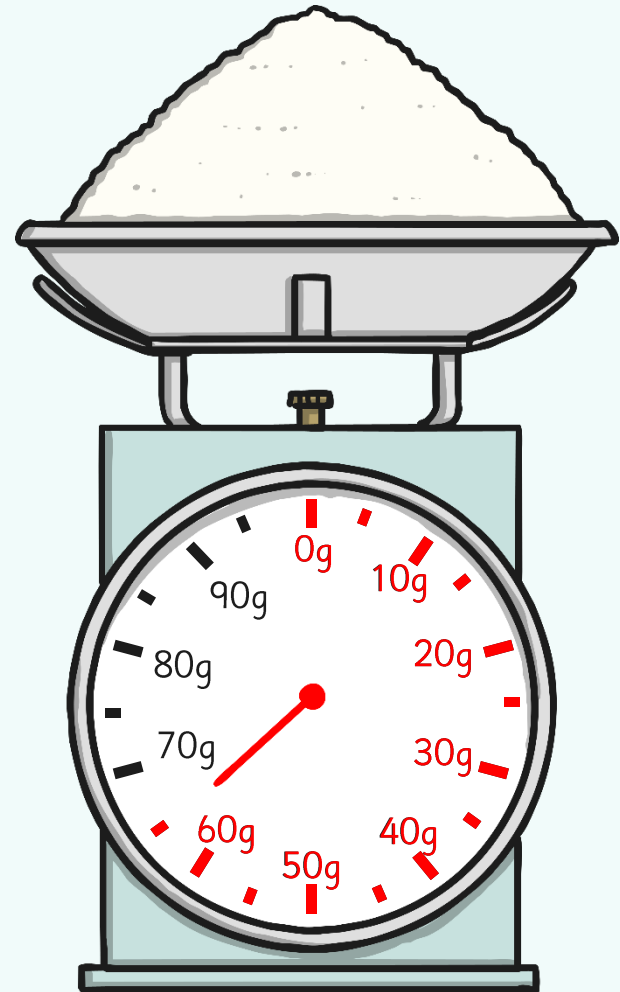
What Do You Think?

1. Find zero
2. Look at the numbers – what do they go up in?
3. Are there any extra lines between the numbers?
4. What do you think they represent?
5. Test your theory by counting between the numbers.



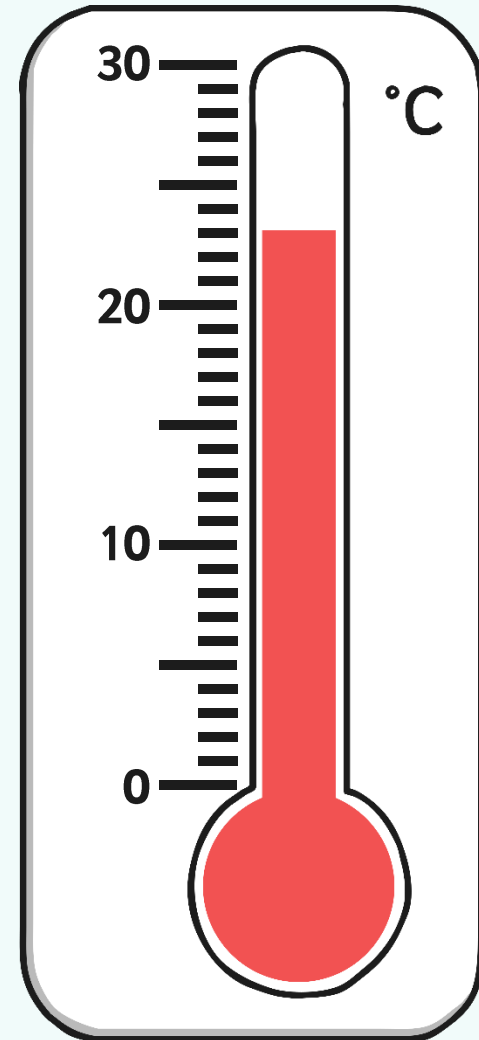
What Do You Think?

65g



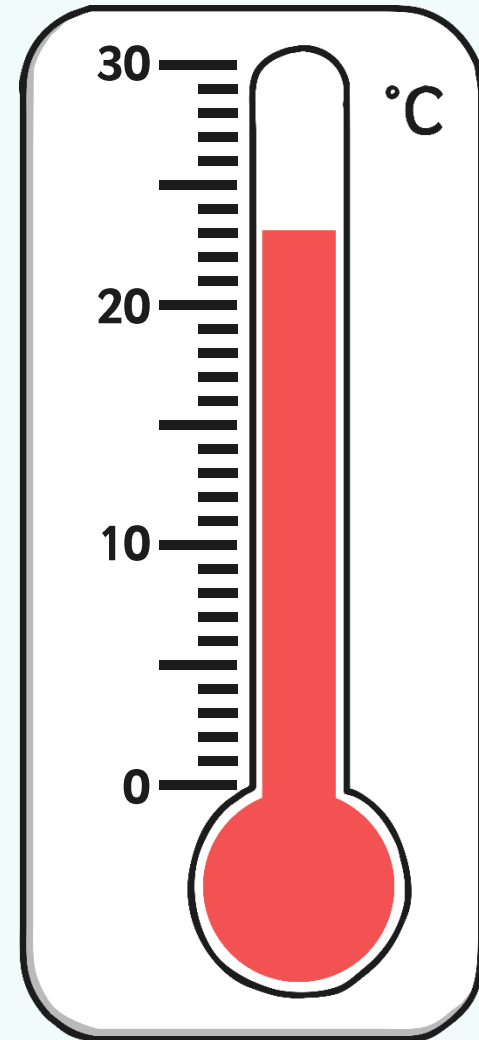
What About This One?

**What is the
temperature today?**

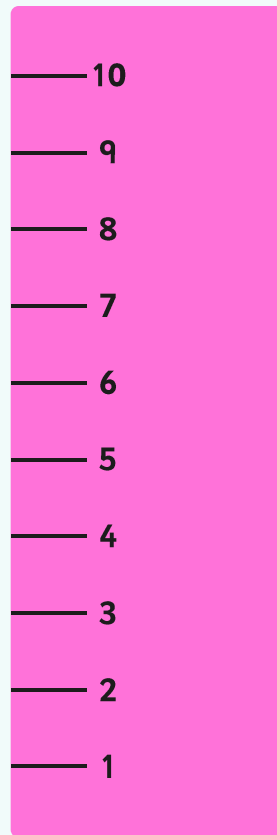


What About This One?

23°C

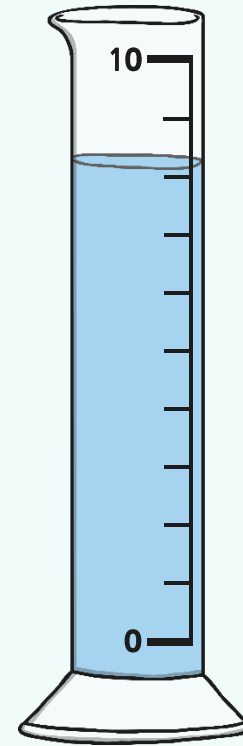
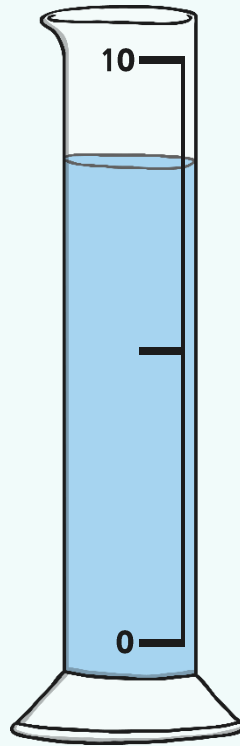


What Is the Same and What Is Different about These Scales?

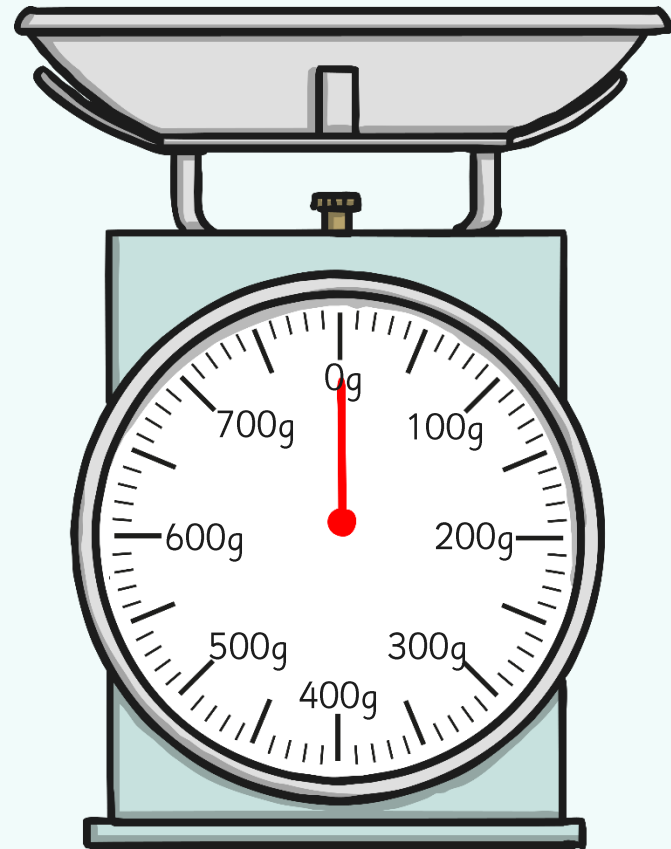
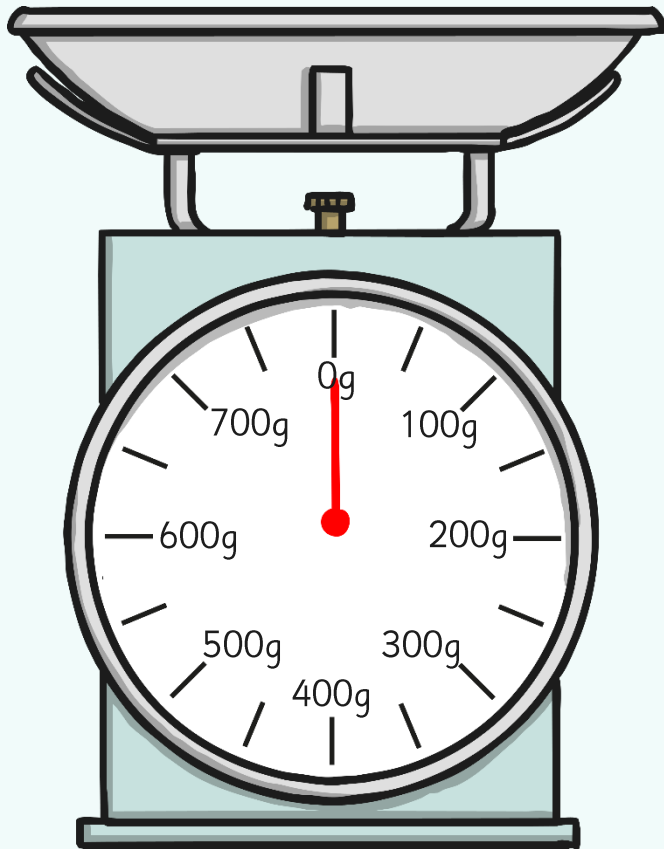


What are the different scales that are used on these containers?

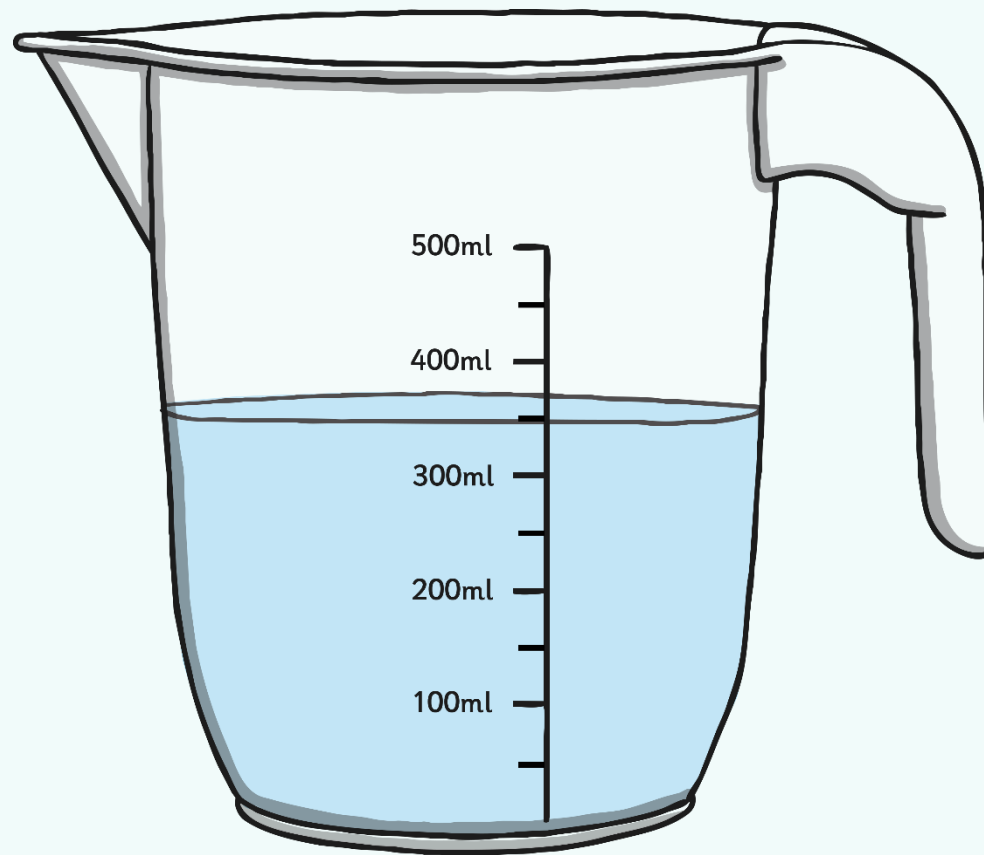
(What do the little marks stand for? Test out your ideas – which numbers fit?)



What are the different scales used here? (What do the little marks stand for?)

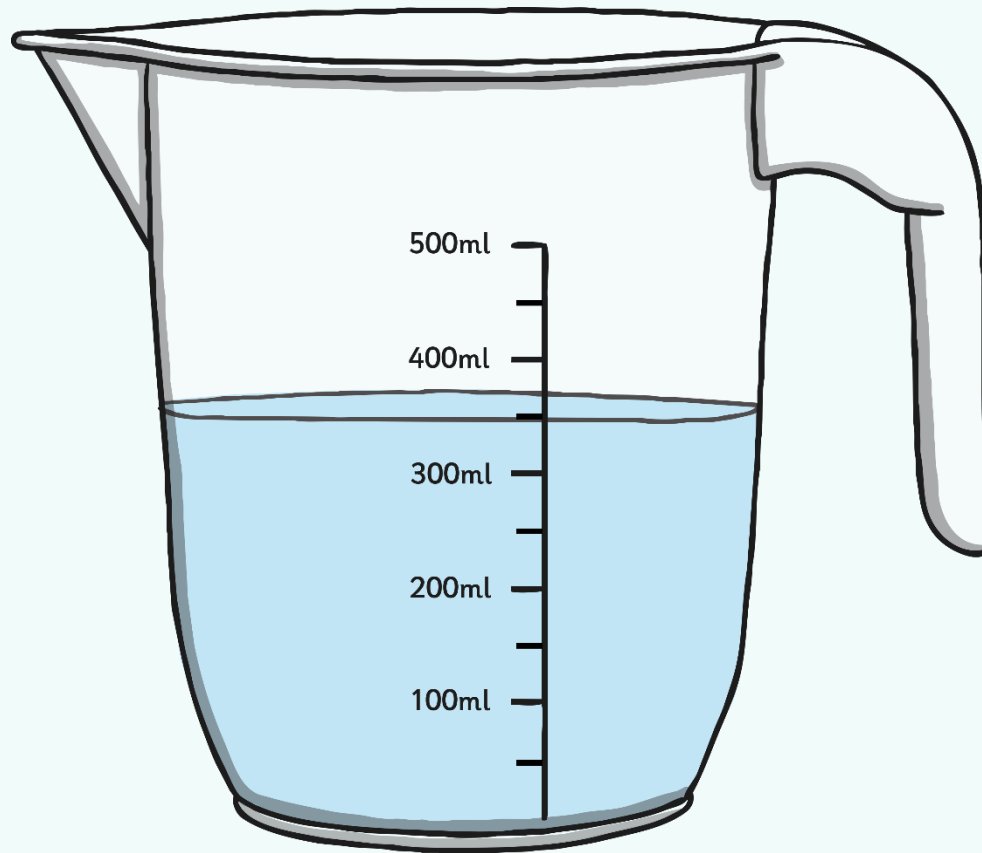


How much water is in this container?

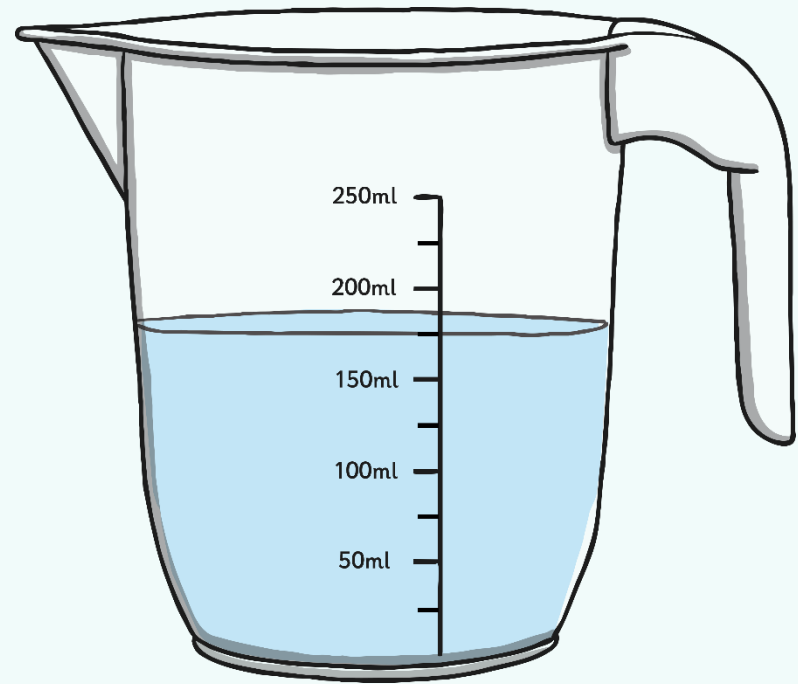
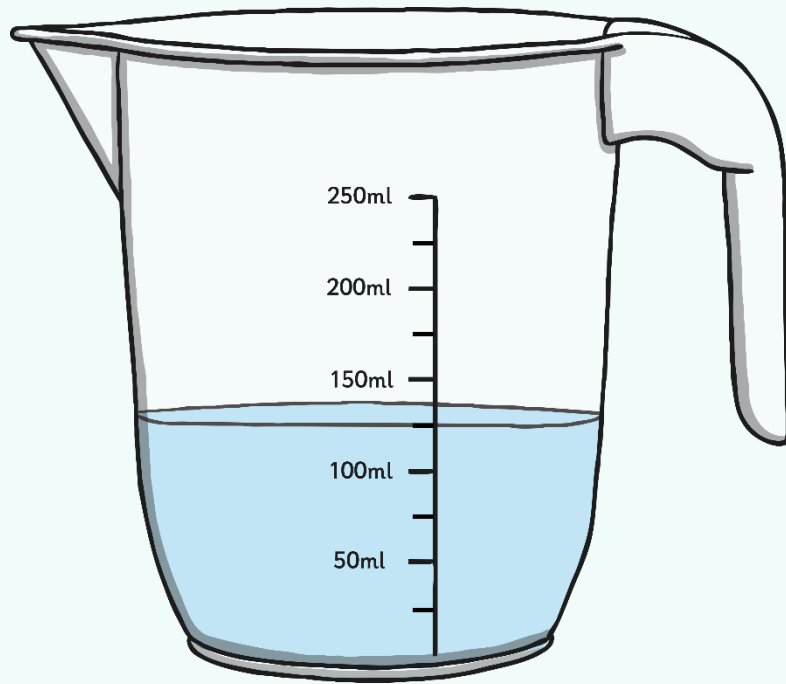


350ml

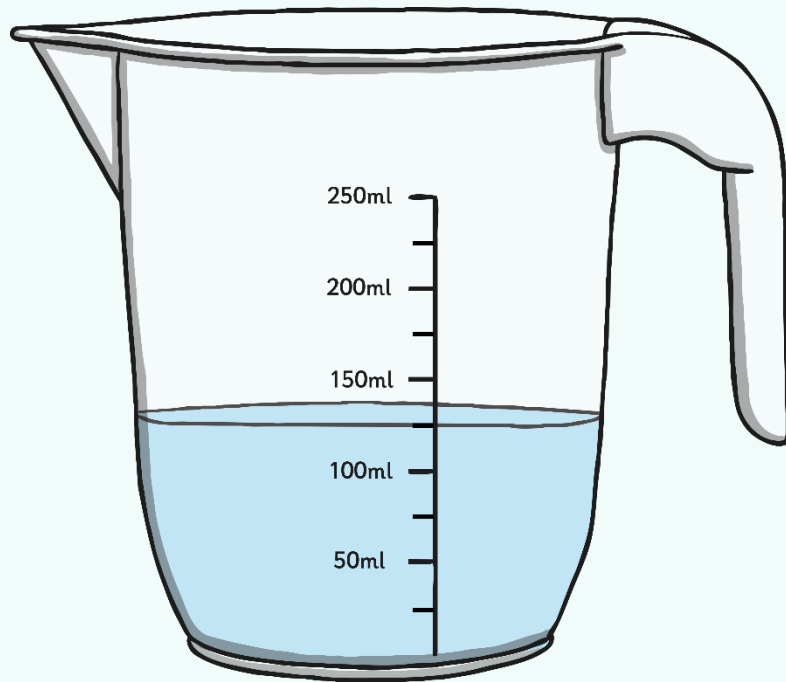
Take care that you pay attention to the units of measure
– 350ml is a very different amount to 350 litres!



How much water is in each container?



125ml



175ml

