Disclaimer/s

We hope you find the information on our website and resources useful.

Animations

This resource has been designed with animations to make it as fun and engaging as possible. To view the content in the correct formatting, please view the PowerPoint in 'slide show mode'. This takes you from desktop to presentation mode. If you view the slides out of 'slide show mode', you may find that some of the text and images overlap each other and/or are difficult to read.

To enter slide show mode, go to the **slide show menu tab** and select either **from beginning or from current slide**.

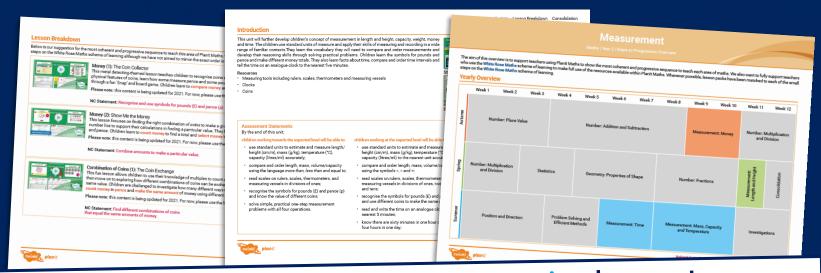


Maths

Measuring Length and Height



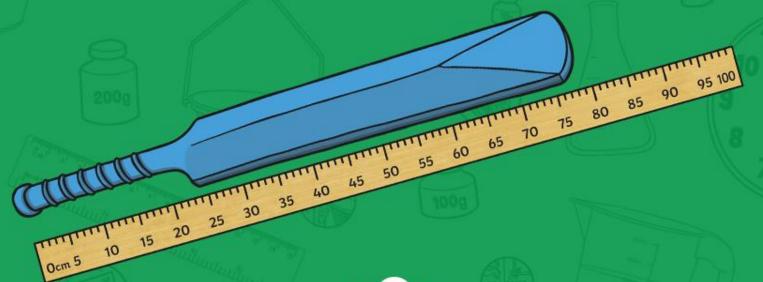
Need a coherently planned sequence of lessons to complement this resource?



See our Measurement Steps to Progression document.

Twinkl PlanIt is our award-winning scheme of work with over 4000 resources.







Aim

• To estimate length or height using a partially-numbered ruler.

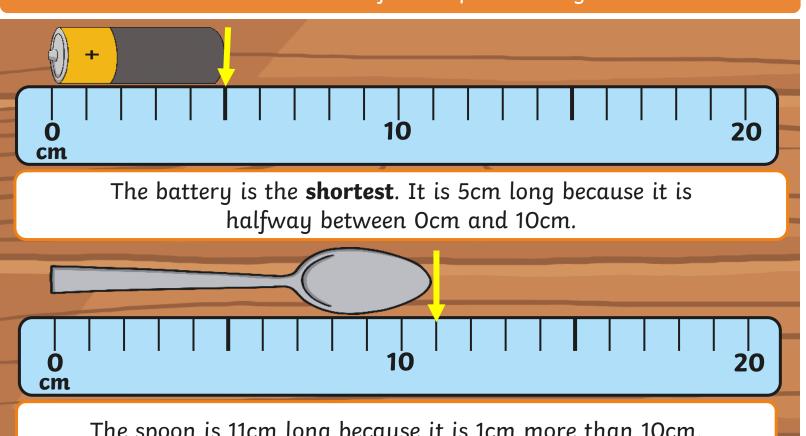
Success Criteria

- I can identify numbers up to 100cm on a marked ruler.
- I can use my reasoning skills to estimate lengths and heights on an unmarked ruler.

Remember It



Which is the **shortest** object? Explain how you know.

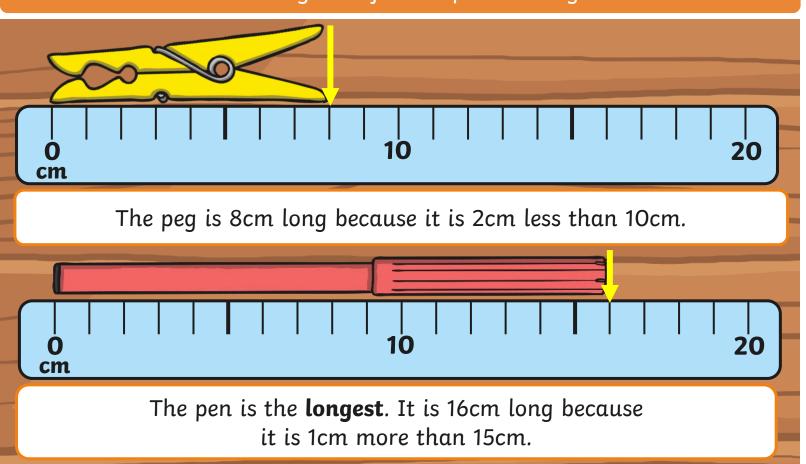


The spoon is 11cm long because it is 1cm more than 10cm.

Remember It

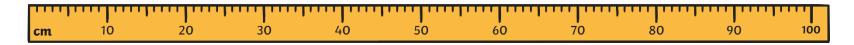


Which is the longest object? Explain how you know.





Look carefully at this ruler. What do you notice?

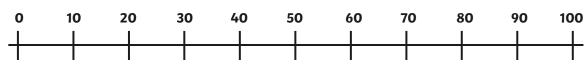


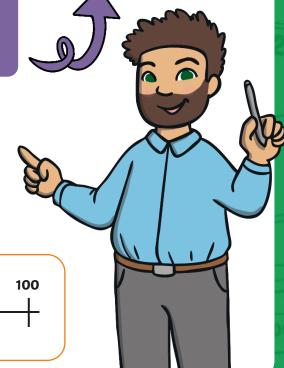
This ruler (or 'metre stick') measures centimetres in multiples of 10, up to 100cm (one metre).

What do you think the unmarked lines show?

How can we measure an object with this ruler?

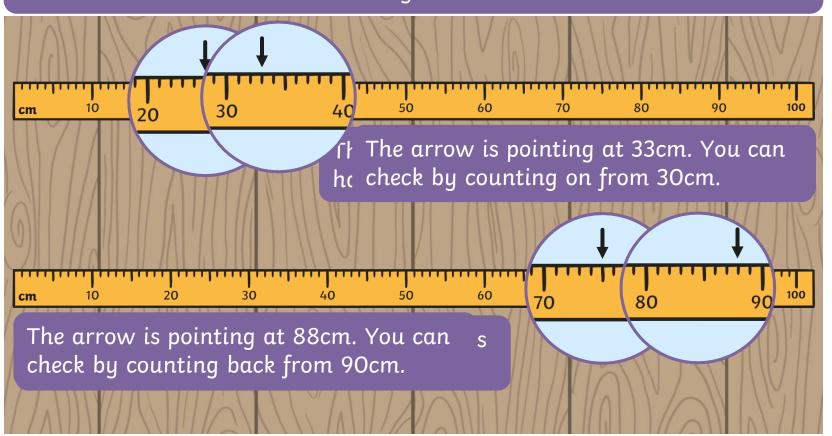
Think about the 0 to 100 number line to help you.





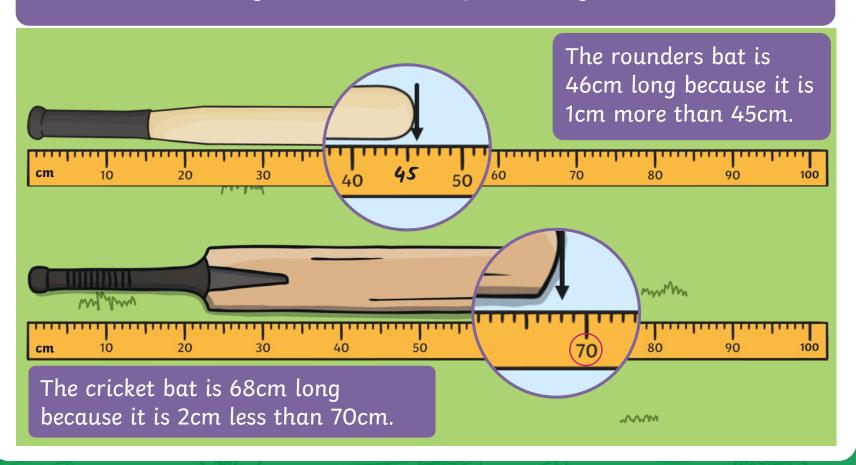


What measurement is each arrow pointing at?
How do you know?



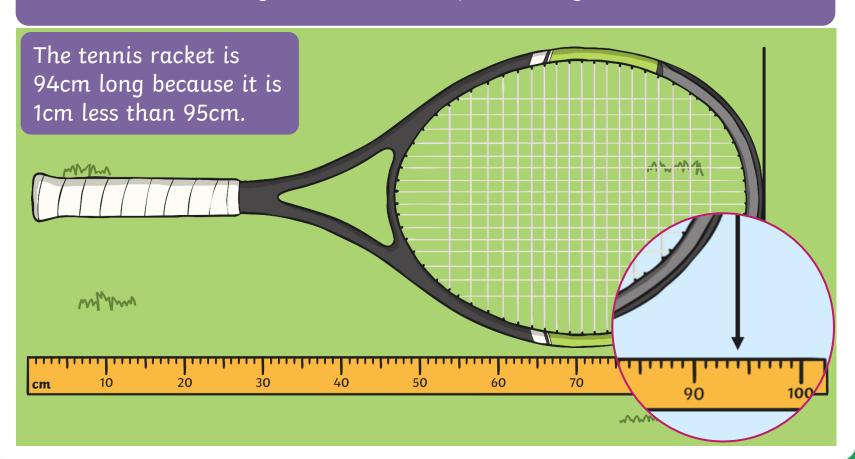


How long are these bats? Explain how you know.





How long is this racket? Explain how you know.





This ruler is 100cm long.

0 50 60 100 cm

How could we use this ruler to estimate length?

Wstanothe Touseberbatowel already krowtochedakes? a sensible guess.

We could add 50cm, halfway between 0cm and 100cm.

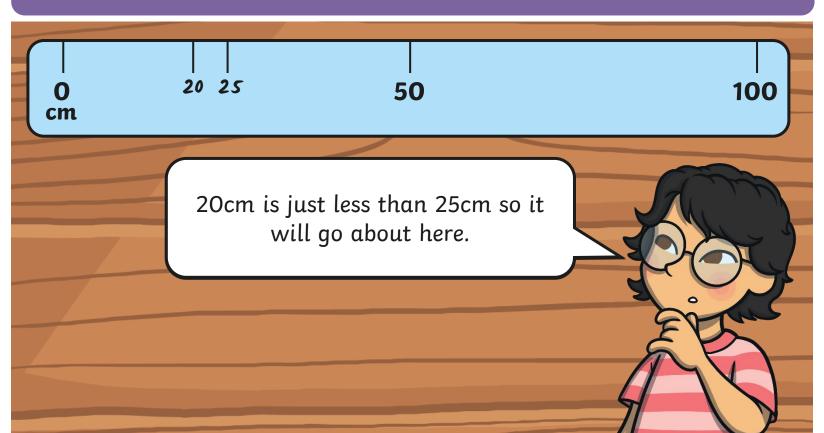
This will help us to **estimate** other between these markings.

Where would 60cm go?

60cm would be just over halfway because it is 10cm more than 50cm.

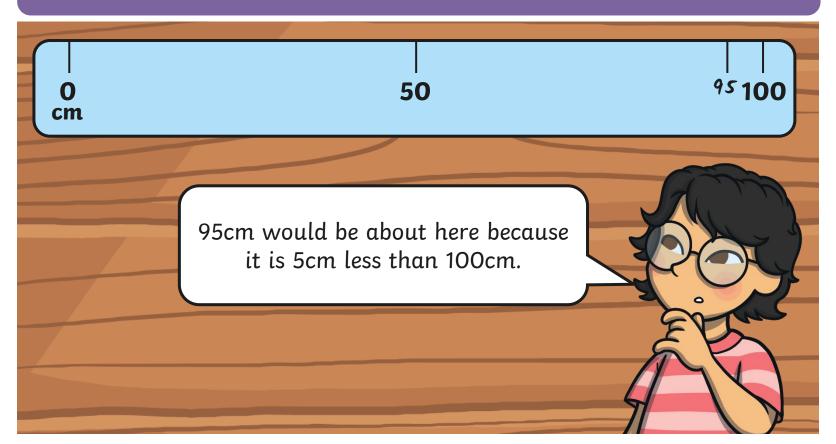


If I am measuring something that is 20cm long, where might you **estimate** it to be on the ruler?



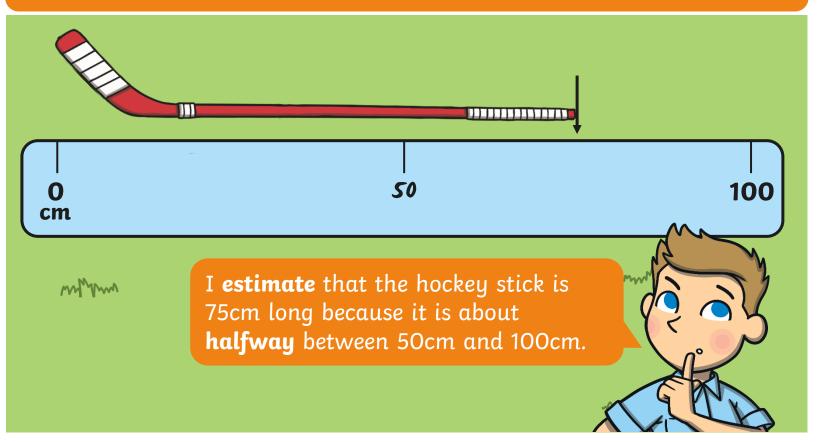


If I am measuring something that is 95cm long, where might you **estimate** it to be on the ruler?

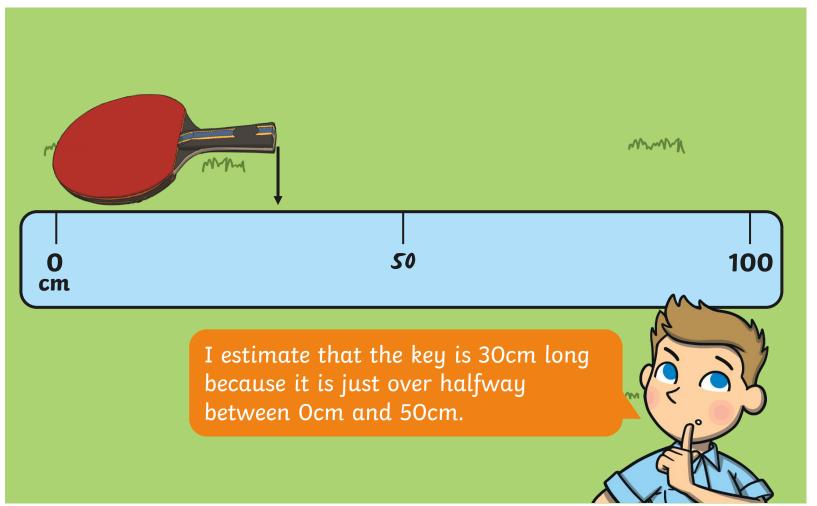




Estimate the length of the hockey stick and the table tennis bat. What measurement can we mark on to help us?







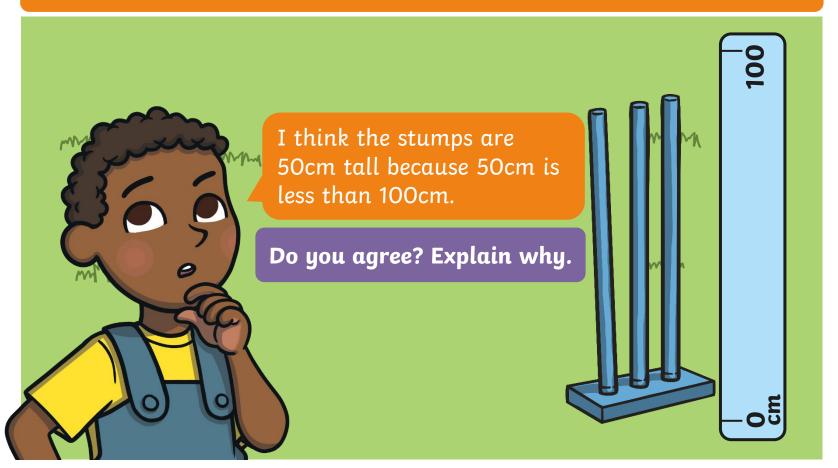


Estimate the height of the cone.



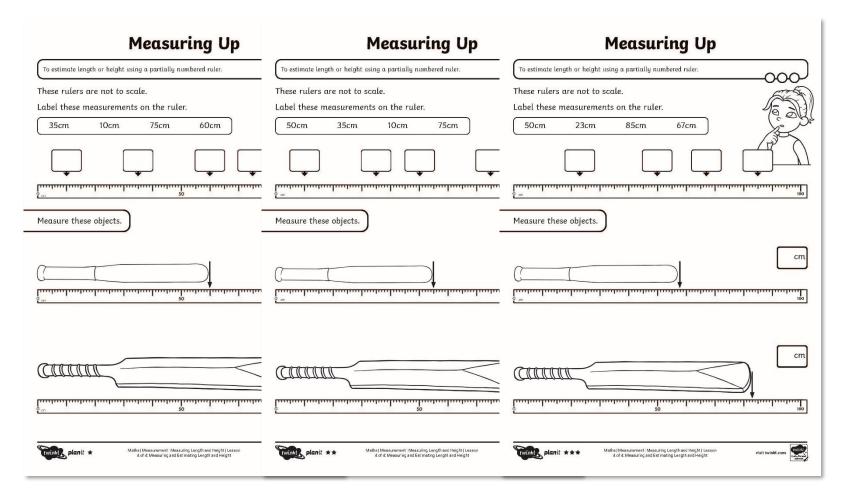


Estimate the height of the cricket stumps.



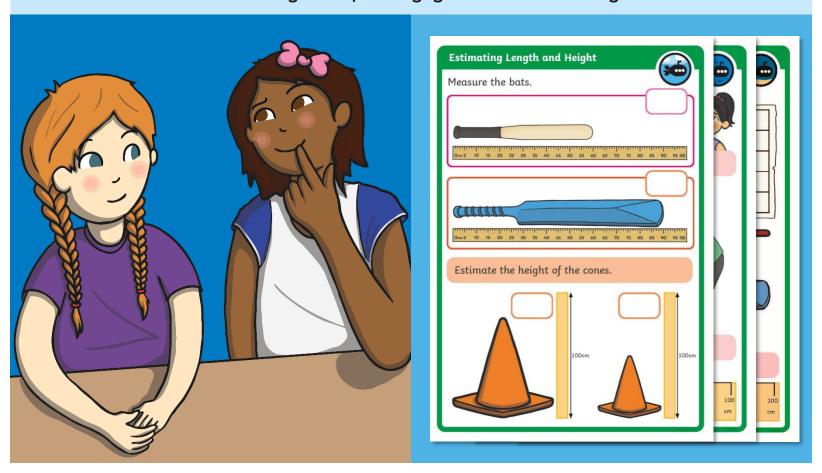
Activity Sheets





Diving into Mastery

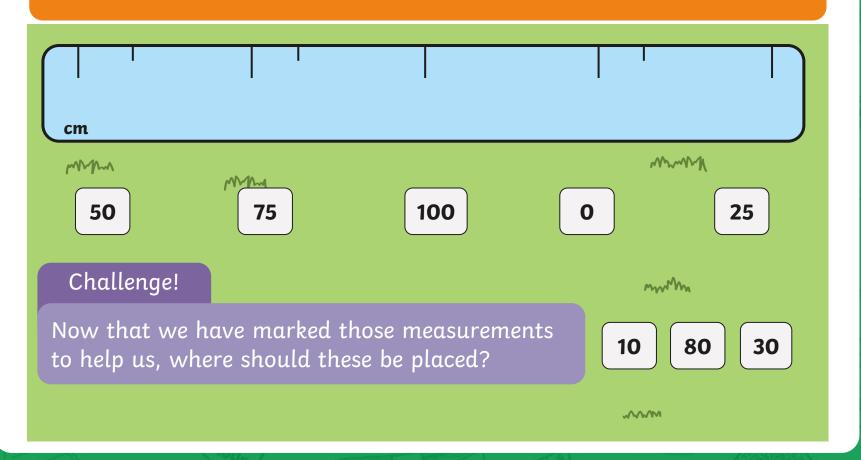
Dive in by completing your own activity!



Measurement Match-Up



Can you match the measurements to the correct place on the ruler?



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