## 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.

## twĩnkl

planit

## Maths

Measurement

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



See our Measurement Steps to Progression document.

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

# Measuring Length in Centimetres 



## Aim

- To measure length to the nearest centimetre.


## Success Criteria

- I can use a ruler to measure accurately.
- I can measure to the nearest centimetre.


## Remember It

What tools can we use to measure length or height?

Think of as many as you can.

What units do we use to measure length or height?
centimetres (cm) and metres (m)


Why is it important that we all use the same units of measurement? Explain to your partner.

## Using a Ruler

## Here are some types of 30 cm rulers.

How are they the same? How are they different?


Investigate your ruler. Does it look like one of these or is it different?

Let's remind ourselves how to measure the length of an object step by step, by measuring this shoelace.


## Using a Ruler

1. Make sure the object you are measuring is lined up either with zero or the end of your ruler (if that represents zero).
 $\begin{array}{lllllllllllllllllllllll}0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 & 11 & 12 & 13 & 14 & 15 & 16 & 17 & 18 & 19 & 20 & 21 & 22\end{array}$ cm
inches

2. Make sure the object is straight and lined up along the ruler.
3. Look at the end of the object. Read the number on the ruler.


You can also use a ruler to measure how tall something is, like this welly.


But if you can, you might find it easier to lie the object down on a table and measure it that way.

## Shoe Sizes

## Practise reading the scales to measure the lengths of the children's shoes.



## Click here to reveal the answer.



[^0]
## Practise reading the scales to measure the lengths of the children's shoes.

## Click here to reveal the answer.



## The Nearest Centimetre

Some objects we measure will not be an exact number atres. When this happens, we can measure to the ne

Let's have a close look at the length of this


The lace is closer to 14 cm than 15 cm .

To the nearest centimetre, it is $\mathbf{1 4 c m}$ long (even though it is a little more than 14 cm ).

## The Nearest Centimetre

Some objects we measure will not be an exact number of centimetres. When this happens, we can measury atimetre.

How long is this lace?


## Measurement Challenge

Franz has measured his shoelace to the nearest centimetre.

To the nearest centimetre, it is 25 cm .


Do you agree? Explain why or why not.

How would you measure these lines if they are all in different orientations?


## Measuring Length



## Diving into Mastery

Dive in by completing your own activity!


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[^0]:     cm
    mm
    
    

