

# Master Measuring Length in Mixed Measures (cm and mm) B

## Rationale

In this step, pupils develop their understanding of measuring length and height using centimetres and millimetres. They will build on their practical work in the previous step by reading the lengths of objects alongside visual representations of rulers. For example, 8cm and 3mm.

They will record their measurements using the abbreviations 'cm' and 'mm'. Pupils will develop their learning by estimating the length of objects in centimetres and millimetres.



## Key Stem Sentences

- The length / height of the \_\_\_\_\_ is \_\_\_cm and \_\_\_mm.
- An estimation for the length / height of the \_\_\_\_\_ is \_\_\_cm and \_\_\_mm.



## Key Vocabulary

- length / height
- centimetres / cm
- millimetres / mm
- estimation



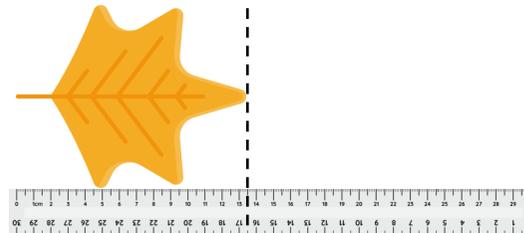
## Common Errors or Misconceptions

- Pupils may misread the measuring equipment.
- Pupils may not measure from the correct starting point on the ruler.

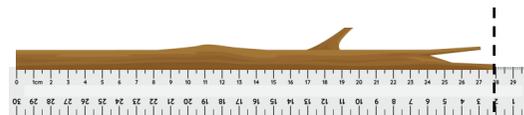


## Key Equipment

### Ruler



The length of the leaf is 13cm and 4mm.



The length of the stick is 27cm and 9mm.



An estimation for the height of the flower is 20cm and 5mm.



## Pupils will FLOURISH if they can...

- accurately record lengths or heights to exact measurements in centimetres and millimetres.
- record lengths or heights using the abbreviations 'cm' and 'mm'.
- make appropriate estimates of lengths or heights in centimetres and millimetres.
- begin to explain their understanding using 'Decide, Assess, Back up', given stems and representations.

