

Master Measuring Length in Millimetres (up to 300mm) A

Rationale

In this practical step, pupils build upon measuring length and height in centimetres and metres in Year 2 to measure the length and height of objects using millimetres for the first time. They will use a ruler to measure in millimetres, placing the ruler correctly. Pupils will develop their learning by estimating the length of objects in millimetres before checking the accuracy of their estimations.

Pupils will need access to rulers to complete this practical step.



Key Stem Sentences

- The length / height of the ____ is ____ millimetres.
- An estimation for the length / height of the ____ is ____ millimetres.



Key Vocabulary

- length / height
- millimetres / mm
- estimation



Common Errors or Misconceptions

- Pupils may misread the measurement.
- Pupils may not measure from the correct starting point on the ruler.
- Pupils may make inappropriate estimates of lengths.



Key Equipment

Ruler



The length of the pencil sharpener is 25 millimetres.



The length of the rubber is 63 millimetres.



An estimation for the height of the teddy bear is 200 millimetres.



Pupils will FLOURISH if they can...

- accurately measure lengths or heights to exact measurements in millimetres.
- make appropriate estimates of length or height in millimetres.
- begin to explain their understanding using 'Decide, Assess, Back up', given stems and representations.

