

# 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.

