

Master Measuring Length in Centimetres A

Rationale

In this practical step, pupils build upon measuring length in centimetres in Year 1 to measure objects to the nearest centimetre. They will use a ruler to measure to the nearest centimetre, placing the ruler correctly and judging whether the object is nearer to the previous or next whole centimetre. They will progress to measuring longer objects in centimetres using a metre stick. Pupils will develop their learning by estimating the length of objects in centimetres, selecting the appropriate equipment, a ruler or metre stick, to check the accuracy of their estimations.



Key Stem Sentences

- The length / height of the ___ is exactly ___ centimetres.
- The length / height of the ___ is ___ centimetres to the nearest centimetre.
- An estimation for the length / height of the ___ is ___ centimetres.



Key Vocabulary

- length / height
- centimetres / cm
- exactly / estimation
- to the nearest centimetre



Common Errors or Misconceptions

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



Key Equipment

Ruler



The length of the pencil crayon is exactly 15cm.



The length of the shoe is 20cm to the nearest cm.

Metre stick



An estimation for the height of the cupboard is 90cm.



Pupils will FLOURISH if they can...

- choose appropriate equipment for measuring lengths or heights in centimetres.
- accurately measure lengths or heights to exact measurements and to the nearest centimetre.
- make appropriate estimates of lengths or heights in centimetres.
- explain their understanding using written sentences, concrete apparatus and given representations.

