

Master Measuring Length in Centimetres B

Rationale

In this step, pupils build upon the practical element of the previous step to record their understanding. They will use the same vocabulary and concepts as they did practically, to state lengths / heights of given objects in pictorial form. Drawing on their work on reading scales, they will state measurements exactly and to the nearest centimetre.

They will continue to use the abbreviation 'cm' to record length in centimetres.



Key Stem Sentences

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



Key Vocabulary

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



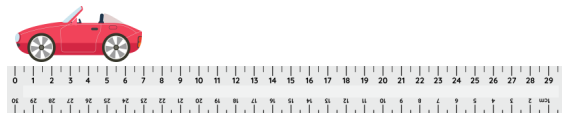
Common Errors or Misconceptions

- Pupils may find it difficult to identify the nearest centimetre, especially when rounding down, for example stating that an object just over 12cm is 11cm to the nearest centimetre.



Key Representations

Ruler

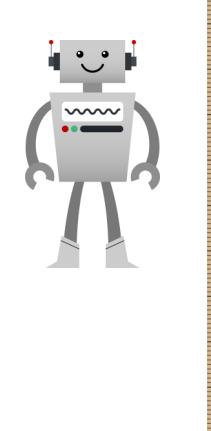


The length of the toy car is exactly 7cm.



The length of the model kit is 20cm to the nearest centimetre.

Metre stick



An estimation for the height of the toy robot is 50cm.



Pupils will FLOURISH if they can...

- accurately record lengths or heights to exact measurements and to the nearest centimetre.
- record lengths or heights using the abbreviation 'cm'.
- make appropriate estimates of lengths or heights in centimetres.
- explain their understanding using written sentences and mathematical proof.

