

Master Measuring Length in Mixed Measures (m and cm) A

Rationale

In this practical step, pupils build upon measuring length and height using mixed centimetres and millimetres, by measuring length and height using mixed metres and centimetres. They will choose and use appropriate equipment to measure and they will describe measurements in mixed units. For example, 8m and 15cm. Pupils will then use their understanding to estimate the length or height of objects before checking the accuracy of their estimations.

Pupils will need access to metre sticks and tape measures to complete this practical step.

Key Stem Sentences

- The length / height of the ___ is ___m and ___cm.
- An estimation for the length / height of the ___ is ___m and ___cm.



Key Vocabulary

- length / height
- metres / centimetres
- m / cm
- estimation



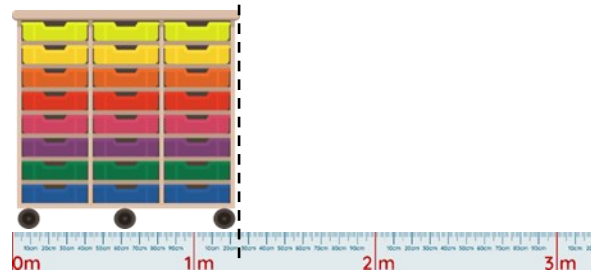
Common Errors or Misconceptions

- Pupils may misread the measuring equipment.
- Pupils may not measure from the correct starting point on the metre stick or measuring tape.



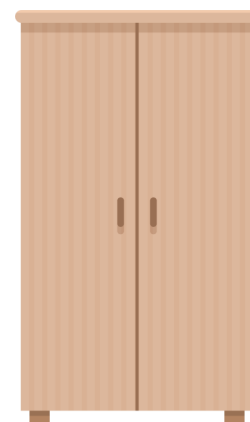
Key Equipment

Tape measure



The length of the trolley is 1m and 25cm.

Metre stick



An estimation for the height of the cupboard is 1m and 90cm.



Pupils will FLOURISH if they can...

- accurately measure the length of an object using appropriate equipment.
- describe their measurements using mixed metres and centimetres.
- make appropriate estimates of the length or height of objects and check their accuracy.
- begin to explain their understanding using 'Decide, Assess, Back up', given stems and representations.

