

Master Simple Equivalent Lengths in Centimetres and Millimetres

Rationale

In this step, pupils build on their understanding of centimetres and millimetres to find simple equivalents.

They will convert measurements given in centimetres into millimetres and vice versa, progressing to converting measurements given in mixed units of centimetres and millimetres into millimetres and vice versa.



Key Stem Sentences

- ___cm / mm is equivalent to ___mm / cm.
- ___cm and ___mm is equivalent to ___mm.
- ___mm is equivalent to ___cm and ___mm.



Key Vocabulary

- centimetres / cm
- millimetres / mm
- equivalent



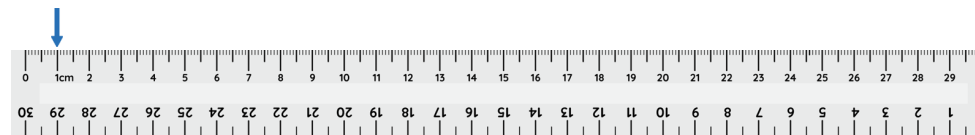
Common Errors or Misconceptions

- Pupils may apply the wrong unit of measure in their conversions. For example, 8cm and 6mm are equivalent to 86cm.

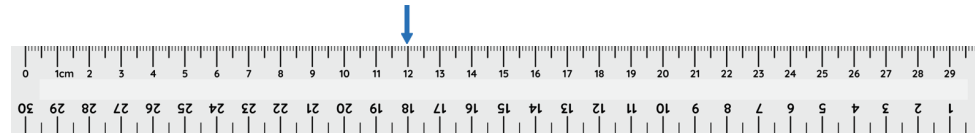


Key Equipment

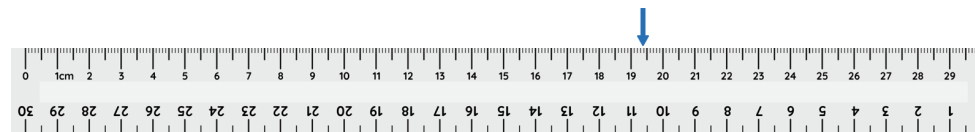
Ruler



10mm is equivalent to 1cm.



12cm is equivalent to 120mm.



194mm is equivalent to 19cm and 4mm.



Pupils will FLOURISH if they can...

- convert centimetres into millimetres, and millimetres into centimetres.
- convert mixed centimetres and millimetres into millimetres, and millimetres into mixed centimetres and millimetres.
- begin to explain their understanding using 'Decide, Assess, Back up', given stems and mathematical proof.

