

Measure - Length

Level 1

Use language such as 'longer' or 'shorter' 'shortest' or 'longest' to compare quantities.

Estimate and compare different lengths using direct comparison and put them in order.

Level 2

Estimate, measure and compare objects, choosing and using suitable uniform non-standard units.

Estimate, measure and compare objects, choosing and using standard units cm and m.

Measure lengths using measuring instruments e.g. a metre stick or a 30cm ruler with only cm divisions.

Use a ruler to draw and measure lines to the nearest centimetre.

Know that there are 100 centimetres in a metre.

Level 3

Use a ruler to draw and measure lines to the nearest $\frac{1}{2}$ cm.

Know the meaning of 'kilo' , 'centi' and 'milli' and, where appropriate, use decimal notation to record measurements (e.g. 0.6 m)

Choose and use appropriate units to estimate, measure and record lengths.

Level 4

Draw and measure lines to the nearest millimetre.

Choose and use standard metric units and their abbreviations when estimating, measuring and recording length.

Read, choose, use and record standard metric units to estimate and measure length to a suitable degree of accuracy.

Convert larger to smaller units using decimals to one place (e.g. change 2.6m to 260cm) *Children need to have covered $\times 10$ or 100 (level 4 skill) before attempting this objective.*

Convert smaller to larger units using decimals to one place (e.g. change 260cm to 2.6m) *Children need to have covered $\times 10$ or 100 including decimals (level 5 skill) before attempting this objective.*

Convert between units using decimals to two places (e.g. change 2.75m to 275cm, or vice versa) *Children need to have covered $\times 10$ or 100 (level 5 skill) before attempting this objective.*

Level 5

Convert between related metric units using decimals to three places (e.g. convert 1375mm to 1.375m, or vice versa)

Solve problems by measuring, estimating and calculating.

Solve problems involving the conversion of units, such as, $1.5\text{kg} \div 30\text{g}$.

Know approximate metric values for imperial units. E.g. know that 1 mile is about 1.6 kilometres and 1km is about $\frac{5}{8}$ of a mile.

Measure and calculate using imperial units still in everyday use and
- Solve problems involving the conversion of units *E.g. work out approximately how many km are equivalent to 20 miles.*