Year 6 Measurement Knowledge Organiser

Lesson sequence:

Learning focus: To use and covert metric measurements.
Learning focus: To solve problems involving measurement.
Learning focus: To convert between imperial and metric measurements.

Sticky Learning

New knowledge
- To know that 5 miles is equivalent to 8 km

New Skills
- To solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate
- To use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places
- To convert between miles and kilometres

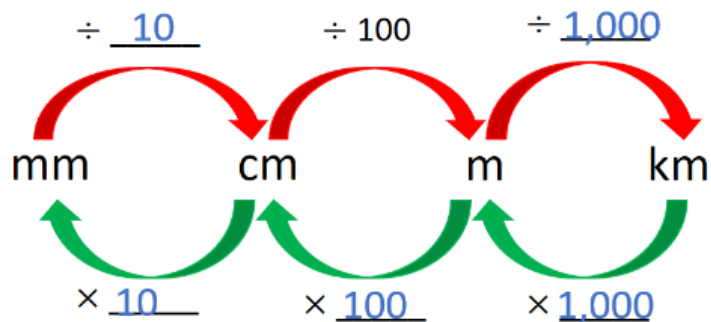## Vocabulary revision (vocabulary I have been taught before)

- weight
- length
- capacity
- perimeter
- area
- centimetre
- metre
- kilogram
- gram
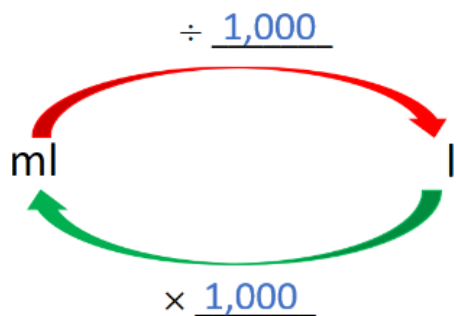- litre
- millilitre
- temperature

New vocabulary

- conversion
- imperial
- metric
- Inches
- Feet/foot
- Miles
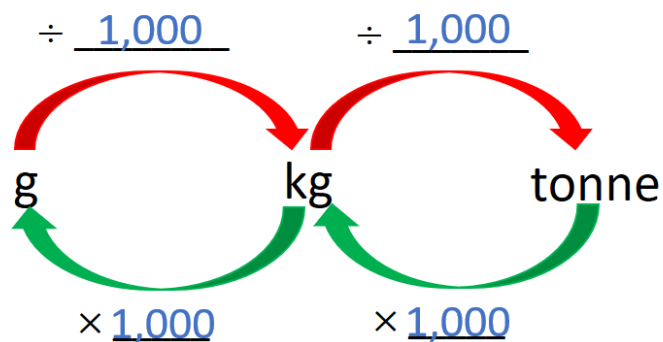- Tonne

Pictorial representations

Length

$$\div\ \underline{10}\qquad \div 100 \qquad \div \underline{1{,}000}$$

mm   cm   m   km

$$\times\ \underline{10}\qquad \times\ \underline{100}\qquad \times\ \underline{1{,}000}$$

Capacity

$$\div\ \underline{1{,}000}$$

ml   l

$$\times\ \underline{1{,}000}$$

Mass

$$\div\ \underline{1{,}000}\qquad \div\ \underline{1{,}000}$$

g   kg   tonne

$$\times\ \underline{1{,}000}\qquad \times\ \underline{1{,}000}$$

Concept links/Prior knowledge

- *To know there are 1000ml in a l*
- *To know the formula for converting from cm to mm is to multiply by 10*
- *To know the formula for converting from mm to cm is to divide by 10*
- *To know the formula for converting from kg to g is to multiply by 1000*
- *To know the formula for converting from g to kg is to divide by 1000*
- *To know the formula for converting from ml to l is to multiply by 1000*
- *To know the formula for converting from l to ml is to divide by 1000*
- *To solve problems involving converting between units of time*
- *To know that imperial measurements include feet, inches and pints*
- *To know that metric measurements include metres, centimtres and kilometres*
- *To know there are 10mm in 1cmTo know there 1000g in a kg*