



Mereside
Church of England Primary Academy
Learn to Love, Love to Learn

Year: 6

Subject: Maths

Title:

Converting Units

What key knowledge do I need to have before this unit?

- Convert between different units of measure (M to KM)
- Understand and use approximate equivalences between imperial and metric

Key outcomes:

- Convert metric measures
- Calculate with metric measures
- Understand the relationship between miles and kilometres
- Understand the relationship between metric measures and imperial measures

National Curriculum Links:

- Solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate
- 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 up to 3 decimal places

Key Vocabulary and Definitions:

Convert – To change something into a different form or properties.

Unit – One of a number of things.

Metric – Relating to or based on the metre as a unit of length. Moreover, an international decimal-based measurement system for length, weight, and volume, using meters, kilograms, and liters as base units

Imperial – Relating to or denoting the system of non-metric weights and measures (the ounce, pound, stone, inch, foot, yard, mile, acre, pint, gallon etc.) formerly used for all measures in the UK, and still used for some.

Measurement.

Using measures

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
- compare, describe and solve practical problems for: - lengths and heights - mass/weight - capacity and volume - time - measure and begin to record the following: - lengths and heights - mass/weight - capacity and volume - time (hours, minutes, seconds)	- choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels - compare and order lengths, mass, volume/capacity and record the results using >, < and =	measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	- Convert between different units of measure [for example, kilometre to metre; hour to minute] - estimate, compare and calculate different measures	- convert between different units of metric measure - understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints - use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling	- solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 d.p. where appropriate - 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 3 d.p. - convert between miles and kilometres

Measurement.

Using measures

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