



St John Fisher RC Primary School

Year 5 Maths Knowledge Organiser

Summer Term Two: Converting units

Objectives

Teacher

I can convert between different units of metric measure

I can understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints

Metric

Metric/Imperial

Converting Mass	Converting Capacity
<p>1000g = 1kg $\frac{1}{10}$kg = 0.1kg = 100g $\frac{1}{4}$kg = 0.25kg = 250g $\frac{1}{2}$kg = 0.5kg = 500g $\frac{3}{4}$kg = 0.75kg = 750g</p>	<p>1000ml = 1 litre $\frac{1}{10}$l = 0.1l = 100ml $\frac{1}{4}$l = 0.25l = 250ml $\frac{1}{2}$l = 0.5l = 500ml $\frac{3}{4}$l = 0.75l = 750ml $\frac{1}{100}$l = 0.01l = 10ml</p>
Converting Length	
<p>km m cm mm</p> <p>×1000 ×100 ×10</p> <p>÷1000 ÷100 ÷10</p>	
<p>1000 metres = 1 kilometre $\frac{1}{4}$ km = 0.25km = 250m 100cm = 1m $\frac{1}{2}$ km = 0.5km = 500m 10mm = 1cm $\frac{3}{4}$ km = 0.75km = 750m $\frac{1}{10}$ km = 0.1km = 100m</p>	

Length	Mass	Capacity
1 inch = 2.5cm 1 foot = 30cm 1 mile = 1.6km 5 miles = 8km	16 ounces = 1 pound 1 ounce = 25g 1 pound = 450g 2.2 pounds = 1kg	8 pints = 1 gallon 1 gallon = 4.5 litres 1 pint = 570ml

Key Vocabulary

Metric units	measuring length (mm,cm,m,km), mass (g,kg,t), and capacity (ml,l)
Imperial units	miles, feet, inches (length), pounds, ounces, stone (weight), and pints/gallons (capacity)
Convert	to change a number, value, or unit from one form or system to another, without altering its actual quantity

Sentence Stems

<ul style="list-style-type: none"> 1 kilometre = _____ m, so _____ kilometres = _____ × 1,000 m = _____ m _____ g = 1 kg, so _____ g = _____ ÷ 1,000 = _____ kg 	<ul style="list-style-type: none"> 1 kg is approximately equal to _____ lb, so _____ kg is approximately equal to _____ × _____ = _____ lb. 1 pint is approximately equal to _____ ml, so _____ pints is approximately equal to _____ × _____ = _____ ml. 1 inch is approximately equal to _____ cm, so _____ cm is approximately equal to _____ ÷ _____ = _____ inches.
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Assessment (Self-Assessment)