



What should I already know?

- How to convert between different units of measure [for example, kilometre to metre; hour to minute]
- How to read, write and convert time between analogue and digital 12- and 24-hour clocks
- How to solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.

What will I know by the end of the unit?

- How to understand and use kilograms and kilometres
- How to understand and use milligrams and millilitres
- How to understand and use metric units
- How to understand and use imperial units
- How to convert units of time
- How to understand and use timetables

Vocabulary

Mass	Capacity	Centilitre	Centimetre
Gram	Volume	Litre	Kilometre
Kilogram	Millilitre	Millimetre	

Investigate/Homework tasks

- Homework will be set by your teacher using google classroom
- You should complete at least 30 minutes of maths tasks using the website and log in provided by your teacher. Please attend help sessions if you do not have access to the internet at home
- Additional work you could complete:
 - Find out more about the meaning of the vocabulary list using <http://www.amathsdictionaryforkids.com/>
- To challenge yourself: Answer the key questions to deepen your knowledge

Key Information/Diagrams

Converting Capacity

$1000\text{ml} = 1\text{ litre}$
 $\frac{1}{10}\text{l} = 0.1\text{l} = 100\text{ml}$
 $\frac{1}{4}\text{l} = 0.25\text{l} = 250\text{ml}$
 $\frac{1}{2}\text{l} = 0.5\text{l} = 500\text{ml}$
 $\frac{3}{4}\text{l} = 0.75\text{l} = 750\text{ml}$
 $\frac{1}{100}\text{l} = 0.01\text{l} = 10\text{ml}$

×1000 (l to ml)
 ÷1000 (ml to l)

Units of Time

Minute 1 minute = 60 seconds 	Hour 1 hour = 60 minutes 	Day 1 day = 24 hours 	Week 1 week = 7 days 	Fortnight 1 fortnight = 2 weeks 	Month January = 31 days February = 28 days (29 on a leap year) March = 31 days April = 30 days May = 31 days June = 30 days July = 31 days August = 31 days September = 30 days October = 31 days November = 30 days December = 31 days
Year 1 year = 12 months = 52 weeks = 365 days 	Leap Year 1 leap year = 366 days 	Decade 1 decade = 10 years 2000 2010 	Century 1 century = 100 years 1900 2000 	Millennium 1 millennium = 1000 years 1000 2000 	

Converting Length



Converting Mass

1000g = 1kg



Key Questions

<p>What does 'kilo' mean when used at the start of a word?</p> <p>Complete the stem sentence: There are _____ grams in ___ kilograms.</p> <p>How would you convert a fraction of a kilometre to metres?</p> <p>What is the same and what is different about converting from kg to g and km to m?</p> <p>Can you complete the stem sentences to convert from millimetres to metres...</p> <p>What does 'milli' mean when used at the start of a word?</p> <p>Would it be appropriate to measure your height in millimetres?</p> <p>Where have you seen litres before?</p>	<p>What do we still measure in inches? Pounds? Pints?</p> <p>Why do you think we still use these imperial measures?</p> <p>What does approximate mean?</p> <p>Why do we not use the equals (=) sign with approximations?</p> <p>How precise should approximation be?</p> <p>How many months / weeks / days are there in a year?</p> <p>How many hours / minutes / seconds are there in a day?</p> <p>Can 21 days be written in weeks? Can 25 days be written in weeks? Explain your answers.</p> <p>Is 0.75 hours the same as 75 minutes? Why or why not?</p>	<p>When do we use timetables in every day life?</p> <p>How do we know where the important information is on the timetable?</p> <p>When does column method not work for finding the difference between times?</p> <p>What is the same and what is different about these conversions?</p> <ul style="list-style-type: none"> • Converting from cm to m • Converting from m to cm <p>What does 'centi' mean when used at the start of a word?</p> <p>Which unit of measure would be best to measure: the height of a door frame, the length of a room, the width of a book?</p>
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