

Yr 6 Samson Class Measurement Knowledge Organiser

• National Curriculum Aims

- Convert between different units of measure [for example, kilometre to metre; hour to minute]
- measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres
- find the area of rectilinear shapes by counting squares
- estimate, compare and calculate different measures, including money in pounds and pence Mathematics
- read, write and convert time between analogue and digital 12- and 24-hour clocks
- solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.

Key Vocabulary

Perimeter	The distance around a two-dimensional shape.
Area	The amount of space inside the boundary of a flat (2D object)
Rectilinear shape	A shape all of whose sides meet at right angles
Irregular shape	A shape which does not have equal sides or angles
Dimension	A measurement of length in one direction
Volume	The amount of space it fills measured in cubic m or cm. $v=lbh$
Metric	A system of weights and measures all in 10's, 100's and 1000's
Imperial	A system of weights and measures once used throughout the UK.
Convert	To change something from one form to another.
Capacity	The amount of space in a container or the amount of liquid it can hold.



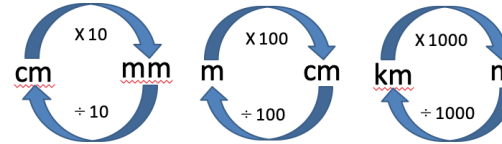
Home Learning

- Can you practice getting your child to work out the area and/or volume of objects in the house.
- When cooking it would be useful to practice converting kg to g and vice versa.

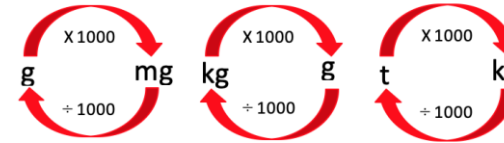
Core Knowledge and Representations

Metric Conversions

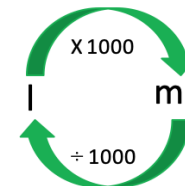
Length:



Mass:



Volume:



Converting Units of Time

60 seconds = 1 minute 24 hours = 1 day
60 minutes = 1 hour 7 days = 1 week

12 months = 1 year 10 years = 1 decade
52 weeks = 1 year 100 years = 1 century
365 days = 1 year 1000 years = 1 millennium

Core Knowledge and Representations

Perimeter and Area

