



Mathematics Progression- Measurement



Using measures:
Solve problems involving the calculation & conversion of units of measure, using decimal notation up to 3 d.p. where appropriate.

Using measures:
Use, read, write & convert between standard units, converting measurements of length, mass, volume & time from a smaller unit of measure to a larger unit & vice versa, using decimal notation to up to 3 d.p.

Perimeter, area, volume:
Recognise that shapes with the same areas can have different perimeters & vice versa

Using measures:
Use all four operations to solve problems involving measure (for example, length, mass, volume, money) using decimal notation, including scaling.

Using measures:
Convert between different units of metric measure.

Time:
Solve problems involving converting between units of time.

Year 6

Time:
Use, read, write & convert between standard units, converting measurements of time from a smaller unit of measure to a larger unit & vice versa. (Concentrating on metric units).

Perimeter, area, volume:
Calculate, estimate & compare volume of cubes & cuboids using standard units, including cubic centimetres (cm³) and cubic metres (m³) & extending to other units.

Perimeter, area, volume:
Recognise when it is possible to use formulae for area & volume of shapes.

Perimeter, area, volume:
Calculate the area of parallelograms &

Year 5

Using measures:
Understand and use approximate equivalences between metric units & common imperial units such as inches, pounds & pints.

Money:
Use all four operations to solve problems (involving measure (for example, money)).

Perimeter, area, volume:
Measure & calculate the perimeter of composite rectilinear shapes in centimetres & metres.

Perimeter, area, volume:
Estimate volume (for example, using blocks to build cuboids) & capacity (for example, using water).

Perimeter, area, volume:
Calculate & compare the area of rectangles (inc. squares) & including using standard units, square centimetres (cm²) and square metres (m²) & estimate the area of irregular shapes.

Using measures:
Convert between different units of measure (for example, kilometre to metre; hour to minute).

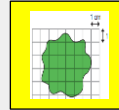
Using measures:
Estimate, compare & calculate different measures.

millilitre	centimetre	mile	gram	litre
stone	inch	metre	millimetre	tonne
gallon	ounce	pound	foot	kilometre

Money:
Add & subtract amounts of money to give change, using both £ & p in practical contexts.

Time:
Know the number of seconds in a minute & the number of days in each month year & leap year.

Time:
Compare durations of events (for example to calculate the time taken by particular events or tasks).



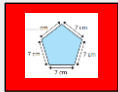
Perimeter, area, volume:
Find the area of rectilinear shapes by counting squares.

Year 4

Perimeter, area, volume:
Measure & calculate the perimeter of a rectilinear figure (including squares) in centimetres & metres.

Time:
Solve problems involving converting hours to minutes; minutes to seconds; years to months; weeks to days.

Perimeter, area, volume:
Measure the perimeter of simple 2-D shapes.



Time:
Know the number of minutes in an hour & the number of hours in a day.

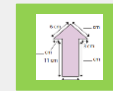
Money:
Estimate, compare & calculate different measures, including money in pounds & pence.

Time:
Read, write & convert time between analogue and digital 12- and 24-hour clocks.

Using measures:
Measure, compare, add & subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).

Time:
Tell & write the time from an analogue clock, including using Roman numerals from I to XII, & 12-hour & 24-hour clocks.

Time:
Estimate & read time with increasing accuracy to the nearest minute; record & compare time in terms of seconds, minutes & hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon & midnight.



Time:
Sequence events in chronological order using language e.g., before & after, next, first, today, yesterday, tomorrow, morning afternoon & evening.

Time:
Tell the time to the hour & half past the hour & draw the hands on a clock face to show these times.

Time:
Recognise & use language relating to dates, including days of the week, weeks, months & years.

Year 2

Time:
Tell & write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.

Money:
Solve simple problems in a practical context involving addition & subtraction of money of the same unit, including giving change.

Money:
Find different combinations of coins that equal the same amounts of money.

Money:
Recognise & use symbols for pounds (£) & pence (p); combine amounts to make a particular value.

Using measures:
Compare & order lengths, mass, volume/capacity & record the results using <, > & =.

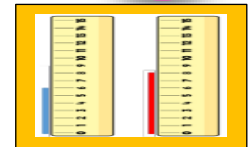
Using measures:
Choose & use appropriate standard units to estimate & measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers & measuring vessels.

Money:
Recognise & know the value of different denominations of

Year 1

Using measures:
Compare, describe & solve practical problems for:
. lengths & heights
. mass/weight
. capacity & volume
. time

Using measures:
Measure & begin to record the following:
. lengths & heights
. mass/weight
. capacity & volume
. time (hours, minutes, seconds).



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