









Year 2 measurement

Prior Knowledge (from Y1)

-  Compare, describe and solve practical problems for: lengths, heights, mass, weight, capacity, volume and time.
-  Recognise and know the value of different denominations of coins and notes
-  Sequence events in chronological order
-  Recognise and use language relating to dates, including days of the week, weeks, months and years
-  Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.

measurement		Working Towards	Within	Expected	Above
	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 =				
	Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value				
	Find different combinations of coins that equal the same amounts of money				
	Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change				
	Compare and sequence intervals of time				
	Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.				
	Know the number of minutes in an hour and the number of hours in a day				

Highlights: _____

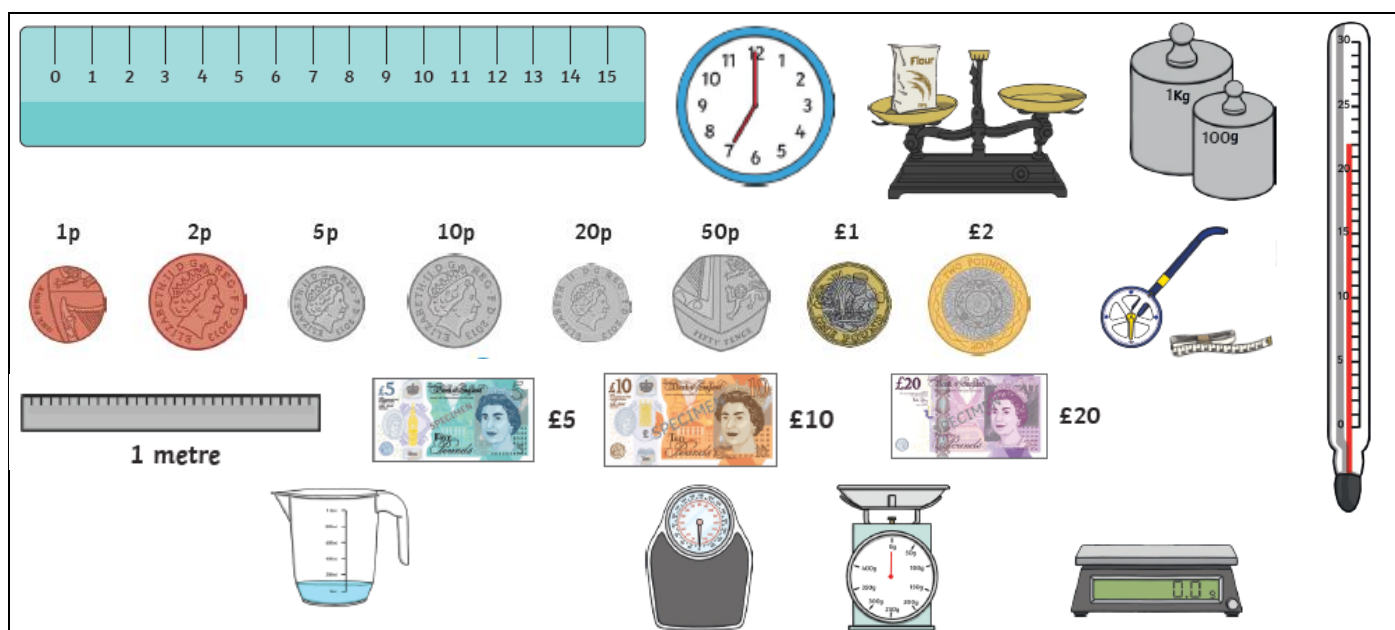


Glossary

vocabulary	word class	definition
length	noun	the measurement or extent of something from end to end; the greater of two or the greatest of three dimensions of an object
height	noun	the measurement of someone or something from head to foot or from base to top
mass	noun	(in general use) weight
weight	noun	a body's relative mass or the quantity of matter contained by it, giving rise to a downward force; the heaviness of a person or thing
capacity	noun	the maximum amount that something can contain
volume	noun	the amount of space that a substance or object occupies, or that is enclosed within a container
time	noun	a point of time as measured in hours and minutes past midnight or noon
day	noun	each of the twenty-four-hour periods, reckoned from one midnight to the next, into which a week, month, or year is divided, and corresponding to a rotation of the earth on its axis
week	noun	a period of seven days
month	noun	each of the twelve named periods into which a year is divided
year	noun	the period of 365 days (or 366 days in leap years) starting from the first of January, used for reckoning time in ordinary circumstances
clock	noun	a mechanical or electrical device for measuring time, indicating hours, minutes, and sometimes seconds by hands on a round dial or by displayed figures
temperature	noun	<i>the degree or intensity of heat present in a substance or object, especially as expressed according to a comparative scale and shown by a thermometer or perceived by touch</i>
pound	noun	<i>a unit of weight equal to 16 oz. avoirdupois (0.4536 kg), or 12 oz. troy (0.3732 kg). the basic monetary unit of the UK, equal to 100 pence</i>
pence	noun	<i>plural form of penny.</i>



Resources



60 minutes = 1 hour
24 hours = 1 day

second
minute
hour
day
month
year



o'clock



quarter past



half past



quarter to

less than



greater than



Future Learning

Year 3

- Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
- Measure the perimeter of simple 2-D shapes
- Add and subtract amounts of money to give change, using both £ and p in practical contexts
- Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks
- Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight
- Know the number of seconds in a minute and the number of days in each month, year and leap year
- Compare durations of events

Year 6

- Solve problems involving the calculation and conversion of units of measure, using decimal notation up to 2 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
- Convert between miles and kilometres
- Recognise that shapes with the same areas can have different perimeters and vice versa
- Recognise when it is possible to use formulae for area and volume of shapes
- Calculate the area of parallelograms and triangles
- Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm³) and cubic metres (m³), and extending to other units