Year 1 measurement

Prior Knowledge (from Reception)
Compare length, weight and capacity Can compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity

measurement		Working Towards	Within	Expected	Above
	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 using language				
	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.				

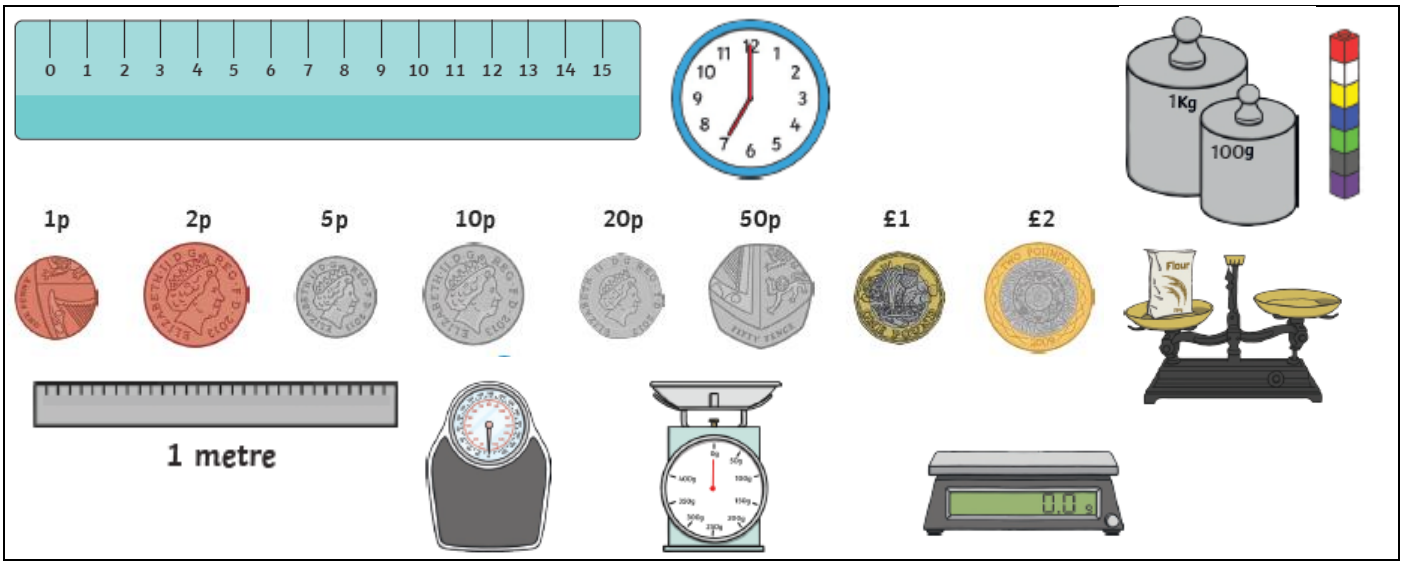
Highlights: _____

_____

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
before	adv/prep	during the period of time preceding a particular event or time
after	prep/adv	in the time following (an event or another period of time)
next	adv/adj	(of a day of the week) nearest (or the nearest but one) after the present
today	adv/noun	at the present period of time; nowadays
yesterday	adv/noun	on the day before today
tomorrow	adv/noun	on the day after today
morning	noun	the period of time between midnight and noon, especially from sunrise to noon
afternoon	noun	the time from noon or lunchtime to evening
evening	noun	the period of time at the end of the day, usually from about 6 p.m. to bedtime
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

Resources



Day of the week	Months of the Year
Monday	January
Tuesday	February
Wednesday	March
Thursday	April
Friday	May
Saturday	June
Sunday	July
	August
	September
	October
	November
	December

Telling the Time

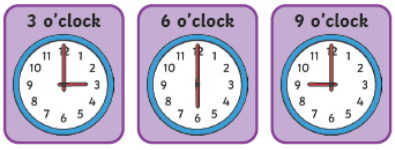
The **long hand** is the **minute hand**.

The **short hand** is the **hour hand**.

The time is **8 o'clock**.

Telling the Time to the Hour

At the hour, the **minute hand** points to 12.



The **hour hand** points to the hour.

Telling the Time to the Half Hour

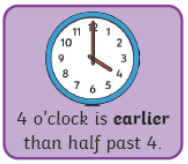
At half past, the **minute hand** is half way round the clock pointing to the 6.

The hour hand will be halfway between one hour and the next.

Comparing Time

A  is faster than a  .

A  is slower than a  .



4 o'clock is **earlier** than half past 4.

Half past 4 is **later** than 4 o'clock.

Future Learning

Year 2
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

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 to 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 (cm^3) and cubic metres (m^3), and extending to other units