

# Measurement

## COMPARING AND ESTIMATING

Year 1	Year 2	Year 3	Year 4
<p>Compare, describe and solve practical problems for:</p> <ul style="list-style-type: none"> <li>* lengths and heights [e.g. long/short, longer/shorter, tall/short, double/half]</li> <li>* mass/weight [e.g. heavy/light, heavier than, lighter than]</li> <li>* capacity and volume [e.g. full/empty, more than, less than, half, half full, quarter]</li> <li>* time [e.g. quicker, slower, earlier, later]</li> </ul>	<p>Compare and order lengths, mass, volume/capacity and record the results using <math>&gt;</math>, <math>&lt;</math> and <math>=</math></p>		<p>Estimate, compare and calculate different measures, including money in pounds and pence (also included in Measuring)</p>
<p>Sequence events in chronological order using language [e.g. before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]</p>	<p>Compare and sequence intervals of time</p>	<p>Compare durations of events, for example to calculate the time taken by particular events or tasks</p>	
		<p>Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock; use vocabulary such as a.m./p.m., morning, afternoon, noon and midnight (appears also in Telling the Time)</p>	

# Measurement

MEASURING and CALCULATING			
Year 1	Year 2	Year 3	Year 4
Measure and begin to record the following: * <b>lengths and heights</b> * <b>mass/weight</b> * <b>capacity and volume</b> * <b>time</b> (hours, minutes, seconds)	Choose and use appropriate standard units to estimate and measure <b>length/height</b> in any direction (m/cm); <b>mass</b> (kg/g); <b>temperature</b> (°C); <b>capacity</b> (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels	Measure, compare, add and subtract: <b>lengths</b> (m/cm/mm); <b>mass</b> (kg/g); <b>volume/capacity</b> (l/ml)	Estimate, compare and calculate <b>different measures</b> , including <b>money in pounds and pence</b> (appears also in Comparing)
		Measure the <b>perimeter</b> of simple 2-D shapes	Measure and calculate the <b>perimeter</b> of a rectilinear figure (including squares) in centimetres and metres

# Measurement

MEASURING and CALCULATING			
Year 1	Year 2	Year 3	Year 4
Recognise and know the value of different denominations of <b>coins and notes</b>	Recognise and use symbols for pounds ( <b>£</b> ) and pence ( <b>p</b> ); combine amounts to make a particular value	Add and subtract amounts of <b>money</b> to give change, using both £ and p in practical contexts	
	Find different combinations of coins that equal the same amounts of money		
	<b>Solve simple problems</b> in a practical context involving addition and subtraction of money of the same unit, including giving change		
			Find the area of rectilinear shapes by counting squares

# Measurement

TELLING THE TIME			
Year 1	Year 2	Year 3	Year 4
Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.	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.	Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks	Read, write and convert time between analogue and digital 12 and 24-hour clocks (appears also in Converting)
Recognise and use language relating to dates, including days of the week, weeks, months and years	Know the number of minutes in an hour and the number of hours in a day. (appears also in Converting)	Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock; use vocabulary such as a.m./p.m., morning, afternoon, noon and midnight (appears also in Comparing and Estimating)	
			Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days (appears also in Converting)

# Measurement

CONVERTING			
Year 1	Year 2	Year 3	Year 4
	Know the number of minutes in an hour and the number of hours in a day. (appears also in Telling the Time)	Know the number of seconds in a minute and the number of days in each month, year and leap year	Convert between different units of measure (e.g. kilometre to metre; hour to minute)
			Read, write and convert time between analogue and digital 12 and 24-hour clocks (appears also in Converting)
			Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days (appears also in Telling the Time)