

Comparing and Estimating					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>compare, describe and solve practical problems for:</p> <ul style="list-style-type: none"> * lengths and heights [e.g. long/short, longer/shorter, tall/short, double/half] * mass/weight [e.g. heavy/light, heavier than, lighter than] * capacity and volume [e.g. full/empty, more than, less than, half, half full, quarter] * time [e.g. quicker, slower, earlier, later] 	<p>compare and order lengths, mass, volume/capacity and record the results using >, < and =</p>		<p>estimate, compare and calculate different measures, including money in pounds and pence (also included in Measuring)</p>	<p>calculate and compare the area of squares and rectangles including using standard units, square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes (also included in measuring)</p> <p>PA3</p>	<p>calculate, estimate and compare volume of cubes and cuboids using standard units, including centimetre cubed (cm³) and cubic metres (m³), and extending to other units such as mm³ and km³.</p> <p>V02</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</p> <p>See Telling the Time</p>			

Measuring and Calculating					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
measure and begin to record the following: * lengths and heights * mass/weight * capacity and volume * time (hours, minutes, seconds)	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	measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) These are covered in ME1 - ME7	estimate, compare and calculate different measures , including money in pounds and pence (appears also in Comparing)	use all four operations to solve problems involving measure (e.g. length, mass, volume, money) using decimal notation including scaling.	solve problems involving the calculation and conversion of units of measure , using decimal notation up to three decimal places where appropriate (appears also in Converting)
		measure the perimeter of simple 2-D shapes PA1	measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres PA2	measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres PA4	recognise that shapes with the same areas can have different perimeters and vice versa PA6, PA7

Measuring and Calculating					
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recognise and know the value of different denominations of coins and notes	recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value	add and subtract amounts of money to give change, using both £ and p in practical contexts			
	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				
			find the area of rectilinear shapes by counting squares PA3	calculate and compare the area of squares and rectangles including using standard units, square centimetres (cm^2) and square metres (m^2) and estimate the area of irregular shapes PA4	calculate the area of parallelograms and triangles PA5
					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 [e.g. mm^3 and km^3]. VO2
					recognise when it is possible to use formulae for area and volume of shapes VO2

Telling the Time					
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<p>tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.</p> <p>TT1, TT2</p>	<p>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</p> <p>TT3, TT4</p>	<p>tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks</p>	<p>read, write and convert time between analogue and digital 12 and 24-hour clocks</p> <p>TT6, TT7</p>		
<p>recognise and use language relating to dates, including days of the week, weeks, months and years</p>	<p>know the number of minutes in an hour and the number of hours in a day.</p> <p>TT9</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</p> <p>TT5</p>			
			<p>solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days</p> <p>TT8 - TT10</p>	<p>solve problems involving converting between units of time</p>	

Converting Units of Measurement					
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	<p>know the number of minutes in an hour and the number of hours in a day.</p> <p>TT9 in Telling the Time</p>	<p>know the number of seconds in a minute and the number of days in each month, year and leap year</p> <p>TT8, TT10 in Telling the Time</p>	<p>convert between different units of measure (e.g. kilometre to metre; hour to minute)</p> <p>CU1 - CU2</p>	<p>convert between different units of metric measure (e.g. kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)</p> <p>CU1 - CU2</p>	<p>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 three decimal places</p>
			<p>read, write and convert time between analogue and digital 12 and 24-hour clocks</p> <p>TT07 in Telling the Time</p>	<p>solve problems involving converting between units of time</p>	<p>solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate</p>
			<p>solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days</p> <p>TT8 -TT10 in Telling the Time</p>	<p>understand and use equivalences between metric units and common imperial units such as inches, pounds and pints</p>	<p>convert between miles and kilometres</p> <p>CU3</p>