



		COMPARING AND ESTIMA	TING		
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
compare, describe and	compare and order		estimate, compare	calculate and compare	calculate, estimate and
solve practical problems	lengths, mass,		and calculate	the area of squares and	compare volume of
for:	volume/capacity and		different measures,	rectangles including using	cubes and cuboids
<ul><li>* lengths and</li></ul>	record the results using		including money in	standard units, square	using standard units,
heights [e.g. long/short,	>, < and =		pounds and pence	centimetres (cm <sup>2</sup> ) and	including centimetre
longer/shorter, tall/short,			(also included in	square metres (m <sup>2</sup> ) and	cubed (cm³) and cubic
double/half]			Measuring)	estimate the area of	metres (m <sup>3</sup> ), and
* mass/weight [e.g.				irregular shapes (also	extending to other
heavy/light, heavier than,				included in measuring)	units such as mm <sup>3</sup> and
lighter than]				estimate volume (e.g.	km <sup>3</sup> .
* capacity and				using 1 cm³ blocks to	
volume [e.g. full/empty,				build cubes and cuboids)	
more than, less than, half,				and capacity (e.g. using	
half full, quarter]				water)	
* time [e.g. quicker,					
slower, earlier, later]					
sequence events in	compare and sequence	compare durations of events, for			
chronological order using	intervals of time	example to calculate the time taken by			
language [e.g. before and		particular events or tasks			
after, next, first, today,					
yesterday, tomorrow,					
morning, afternoon and					
evening]					
		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,			





		oon, noon and midnight (app Felling the Time)	ears		
		MEASURING and CA	ALCULATING		
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 (I/mI)	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 <b>perimeter</b> of simple 2-D shapes	measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres	measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres	recognise that shapes with the same areas can have different <b>perimeters</b> and vice versa





		MEASU	RING and CALCULAT	TING			
Year 1	Year 2	Year 3	Year 4	Yea	r 5		Year 6
recognise and know the value of different denomination s of coins and notes	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	add and subtract amounts of <b>money</b> to give change, using both £ and p in practical contexts					
	drift, including giving change		find the area of rectilinear shapes by counting squares	calculate and co area of squares a including using s square centimet square metres (n estimate the are shapes recognise and use numbers and cube the notation for so cubed (3) (copied from Multi Division)	and rectangles standard units, cres (cm²) and m²) and ea of irregular e square e numbers, and quared (²) and	calculate, es volume of c standard un centimetres (m³), and ex mm³ and kn	stimate and compare ubes and cuboids using lits, including cubic (cm³) and cubic metres stending to other units [e.g.
			TELLING THE TIME				
Year 1	L Year 2	Year 3	,	Year 4	Year	5	Year 6





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)	solve problems involving converting between units of time	





		CONVI	ERTING		
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	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)	convert between different units of metric measure (e.g. kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)	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
			read, write and convert time between analogue and digital 12 and 24-hour clocks (appears also in Converting)	solve problems involving converting between units of time	three decimal places solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate (appears also in Measuring and Calculating)
			solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days (appears also in Telling the Time)	understand and use equivalences between metric units and common imperial units such as inches, pounds and pints	convert between miles and kilometres





Stem Sentences and Generalisations				
Key vocabulary:				
Longer, shorter, heavier, lighter, greater than, less than, < > =.				
is longer than				
There are cm in				
<u>Misconceptions</u>				
Misconceptions - Subject Folders - Google Drive				