

COMPARING AND ESTIMATING					
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
* lengths and heights	record the results using		including money in	standard units, square	using standard units,
[e.g. long/short,	>, < and =		pounds and pence (also included in	centimetres (cm ²) and	including centimetre
longer/shorter, tall/short, double/half]			Measuring)	square metres (m ²) and	cubed (cm ₃) and cubic
* mass/weight [e.g.			Wicusuring)	estimate the area of	metres (m ³), and
heavy/light, heavier				irregular shapes (also	extending to other
than, lighter than]				included in measuring)	units such as mm and
* capacity and volume				estimate volume (e.g.	3
[e.g. full/empty, more				using 1 cm blocks to	km .
than, less than, half,				build cubes and cuboids)	
half full, quarter]				and capacity (e.g. using	
* time [e.g. quicker,				water)	
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,
afternoon, noon and midnight (appears
also in Telling the Time)



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 (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 perimeter 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 perimeters and vice versa	



	MEASURING and CALCULATING					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
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 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	add and subtract amounts of money to give change, using both £ and p in practical contexts				
	unit, including giving change	find the area of rectilinear shapes by counting squares	Find the area of shapes by counting shapes	calculate and compare the area of squares and rectangles including using standard units, square centimetres (cm) and square metres (m) and estimate the area of irregular shapes recognise and use square numbers and cube numbers, and the notation for squared () and cubed () (copied from Multiplication and Division)	calculate the area of parallelograms and triangles calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm) and cubic metres (m), and extending to other units [e.g. mm and km]. recognise when it is possible to use formulae for area and volume of shapes	



TELLING THE TIME						
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
tell the time to the hour	tell and write the time to	tell and write the time	read, write and convert			
and half past the hour and	five minutes, including	from an analogue clock,	time between analogue			
draw the hands on a clock	quarter past/to the hour	including using Roman	and digital 12 and 24-hour			
face to show these times.	and draw the hands on a	numerals from I to XII, and	clocks			
	clock face to show these times.	12-hour and 24-hour clocks	(appears also in Converting)			
recognise and use	know the number of	estimate and read				
language relating to dates,	minutes in an hour and	time with increasing				
including days of the	the number of hours in a	accuracy to the nearest				
week, weeks, months and	day.	minute; record and				
years	(appears also in Converting)	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	solve problems involving		
			converting from hours to	converting between units		
			minutes; minutes to	of time		
			seconds; years to months;			
			weeks to days			
			(appears also in Converting)			



CONVERTING						
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
	know the number of minutes	know the number of	convert between different	convert between	use, read, write and	
	in an hour and the number of	seconds in a minute and the	units of measure (e.g.	different units of metric	convert between standard	
	hours in a day.	number of days in each	kilometre to metre; hour	measure (e.g. kilometre	units, converting	
	(appears also in Telling the Time)	month, year and leap year	to minute)	and metre; centimetre	measurements of length,	
				and metre; centimetre	mass, volume and time	
				and millimetre; gram and	from a smaller unit of	
				kilogram; litre and	measure to a larger unit,	
				millilitre)	and vice versa, using	
					decimal notation to up to	
					three decimal places	
			read, write and convert	solve problems involving	solve problems involving	
			time between analogue	converting between units	the calculation and	
			and digital 12 and 24-hour	of time	conversion of units of	
			clocks		measure, using decimal	
			(appears also in Converting)		notation up to three	
					decimal places where	
					appropriate (appears also in Measuring	
					and Calculating)	
			solve problems involving		convert between miles	
			converting from hours to		and kilometres	
			minutes; minutes to		understand and use	
			seconds; years to months;		equivalences between	
			weeks to days		metric units and common	
			(appears also in Telling the		imperial units such as	
			Time)		inches, pounds and pints	
					(moved from Year 5)	

