



## Maths Progression Map for Measurement

	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Comparing and Estimating	Make comparisons between objects relating to size, length, weight and capacity	Compare length and capacity	compare, describe and solve practical problems for: * lengths and heights [e.g. long/short, longer/short er, tall/short, double/half] * mass/weigh t [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]	compare and order lengths, mass, volume/capacit y and record the results using >, < and =		estimate, compare and calculate different measures, including money in pounds and pence (also included in Measuring)	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 (also included in measuring)	calculate, estimate and compare volume of cubes and cuboids using standard units, including centimetre cubed (cm <sup>3</sup> ) and cubic metres (m <sup>3</sup> ), and extending to other units such as mm <sup>3</sup> and km <sup>3</sup> .





Riskep Revick			
	events in seq	calculate the time taken by particular events or tasks	
		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	





Contraction of the second seco						
Measuring and	measure and	compare and		estimate,	calculate and	calculate,
Calculating	begin to record	order lengths,		compare and	compare the	estimate and
	the following:	mass,		calculate	area of squares	compare
	* lengths and	volume/capacit		different	and rectangles	volume of
	heights	y and record		measures,	including using	cubes and
	* mass/weig	the results		including	standard units,	cuboids using
	ht	using >, < and		money in	square	standard units,
	* capacity	=		pounds and	centimetres	including
	and volume			, pence	(cm <sup>2</sup> ) and	centimetre
	* <b>time</b> (hours,				square metres	cubed (cm <sup>3</sup> )
	minutes,					and cubic
	seconds)				(m <sup>2</sup> ) and	2
					estimate the	metres (m <sup>°</sup> ),
					area of	and extending
					irregular	to other units
					shapes	such as mm <sup>3</sup>
						and km <sup>3</sup> .
	coquenco	company and	company			
	sequence events in	compare and	compare durations of			
		sequence	,			
	chronological	intervals of	events, for			
	order using	time	example to			
	language [e.g.		calculate the			
	before and		time taken by			
	after, next,		particular			
	first, today,		events or tasks			
	yesterday,					
	tomorrow,					
	morning,					
	afternoon and					
	evening]					





Pitabage Review							VERITAS
				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			
Measuring and Calculating	begin the fol * leng heig * ma ht * cap and * tim min	to record application applications and to explose and to explose a ss/weig leng in a acity direct (m/ e (hours, (kg/ utes, ords) (°C) (litre	ropriate ndard units estimate and asure gth/height uny ection 'cm); mass	measure, compare, add and subtract: <b>lengths</b> (m/cm/mm); <b>mass</b> (kg/g); <b>volume/capaci</b> <b>ty</b> (l/ml)	estimate, compare and calculate <b>different</b> <b>measures,</b> including <b>money in</b> <b>pounds and</b> <b>pence</b>	use all four operations to solve problems involving measure (e.g. <b>length, mass,</b> <b>volume,</b> <b>money</b> ) using decimal notation including scaling.	solve problems involving the calculation and conversion of <b>units of</b> <b>measure</b> , using decimal notation up to three decimal places where appropriate





						VERITAS
		appropriate unit, using rulers, scales, thermometers and measuring vessels				
			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	measure and calculate the <b>perimeter</b> of composite rectilinear shapes in centimetres and metres	recognise that shapes with the same areas can have different <b>perimeters</b> and vice versa
	recognise and know the value of different denomination s of <b>coins</b> <b>and notes</b>	recognise and use symbols for pounds <b>(£)</b> <b>and pence (p)</b> ; combine amounts to make a particular value find different combinations of coins that equal the same amounts of money	add and subtract amounts of <b>money</b> to give change, using both £ and p in practical contexts			





<u> </u>	 		 		VERITAS
		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	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	calculate the area of parallelograms and triangles calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm <sup>3</sup> ) and cubic metres (m <sup>3</sup> ), and extending to other units





Riskop Revick			-			4 VERITAS
Telling the time	Begin to describe a sequence of	tell the time to the hour and	tell and write the time to five	tell and write the time from	read, write and convert time	[e.g. mm <sup>3</sup> and km <sup>3</sup> ]. recognise when it is possible to use formulae for area and volume of shapes
	a sequence of events, real or fictional, using words such as 'first', 'then'	half past the hour and draw the hands on a clock face to show these times.	minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.	an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks	between analogue and digital 12 and 24-hour clocks	
		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.	estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock;		





Haber Reviet		 				VERITAS
			use vocabulary such as a.m./p.m., morning, afternoon, noon and midnight			
				solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days	solve problems involving converting between units of time	
Converting		know the number of minutes in an hour and the number of hours in a day.	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





Riskog Reviet					VERITAS
					to three decimal places
			read, write and convert time between analogue and digital 12 and 24-hour clocks	solve problems involving converting between units of time	solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate
			solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days	understand and use equivalences between metric units and common imperial units such as inches, pounds and pints	convert between miles and kilometers