

Number: Measurements

Nursery	Reception	Year 1	Year 2	Year 3
COMPARING AND ESTIMATING				
Measures <ul style="list-style-type: none"> In meaningful contexts, finds the longer or shorter, heavier or lighter and more/less full of two items 	Measures <ul style="list-style-type: none"> Enjoys tackling problems involving prediction and discussion of comparisons of length, weight or capacity, paying attention to fairness and accuracy 	compare, describe and solve practical problems for: <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] 	compare and order lengths, mass, volume/capacity and record the results using >, < and =	
<ul style="list-style-type: none"> Recalls a sequence of events in everyday life and stories 	<ul style="list-style-type: none"> Is increasingly able to order and sequence events using everyday language related to time 	sequence events in chronological order using language [e.g. before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]	compare and sequence intervals of time	compare durations of events, for example to calculate the time taken by particular events or tasks
	<ul style="list-style-type: none"> Beginning to experience measuring time with timers and calendars 			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)

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MEASURING and CALCULATING				
	<ul style="list-style-type: none"> Becomes familiar with measuring tools in everyday experiences and play 	measure and begin to record the following: <ul style="list-style-type: none"> * 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)
				measure the perimeter of simple 2-D shapes
MEASURING and CALCULATING				
		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 unit, including giving change	add and subtract amounts of money to give change, using both £ and p in practical contexts

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TELLING THE TIME				
	<ul style="list-style-type: none"> Beginning to experience measuring time with timers and calendars 	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
		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)
CONVERTING				
			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