



Content domain – measurement

EYFS Birth to 5 Matters **Range 5** **Range 6** **ELG**

- In meaningful contexts, finds the longer or shorter, heavier or lighter and more/less full of two items
Recalls a sequence of events in everyday life and stories
- Enjoys tackling problems involving prediction and discussion of comparisons of length, weight or capacity, paying attention to fairness and accuracy
- Becomes familiar with measuring tools in everyday experiences and play
- Is increasingly able to order and sequence events using everyday language related to time
- Beginning to experience measuring time with timers and calendars

Strand	National Curriculum reference Year 1	National Curriculum reference Year 2	National Curriculum reference Year 3	National Curriculum reference Year 4	National Curriculum reference Year 5	National Curriculum reference Year 6
M1 Compare, describe and order measures	1M1 Compare, describe and solve practical problems for: - 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]	2M1 Compare and order lengths, mass, volume/ capacity and record the results using >, < and =	3M1a Compare lengths(m/cm/mm)	4M1 Compare different measures, including money in pounds and pence		
			3M1b Compare mass (kg/g)			
			3M1c Compare volume / capacity (l/ml)			
M2 Estimate, measure	1M2 Measure and begin to record the following: - lengths and heights	2M2 Choose and use appropriate standard units to estimate and measure	3M2a Measure lengths (m/cm/mm)	4M2 Estimate different measures, including money in pounds and pence		

and read scales	- mass/weight - capacity and volume - time (hours, minutes, seconds)	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				
			3M2b Measure mass (kg/g)			
			3M2c Measure volume / capacity (l/ml)			
M3 Money	1M3 Recognise and know the value of different denominations of coins and notes	2M3a Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value				
		2M3b Find different combinations of coins that equal the same amounts of money				
M4 Telling time, ordering time, duration and units of time	1M4a Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times	2M4a 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	3M4a Tell and write the time from an analogue clock; 12-hour clocks	4M4a Read, write and convert time between analogue and digital 12-hour clocks		
	1M4b Sequence events in chronological order using language [e.g.: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]	2M4b Compare and sequence intervals of time	3M4b Tell and write the time from an analogue clock; 24-hour clocks	4M4b Read, write and convert time between analogue and digital 24-hour clocks		
	1M4c Recognise and use language relating to dates, including days of the week, weeks, months and years	2M4c Know the number of minutes in an hour and the number of hours in a day	3M4c Tell and write the time from an analogue clock, including using Roman numerals from I to XII	4M4c Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days	5M4 Solve problems involving converting between units of time	
			3M4d			

			Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock/a.m./p.m., morning, afternoon, noon and midnight			
			3M4e Know the number of seconds in a minute and the number of days in each month, year and leap year			
			3M4f Compare durations of events, [e.g.: to calculate the time taken by particular events or tasks]			
M5 Convert between metric units [KS2]				4M5 Convert between different units of measurement [e.g.: kilometre to metre; hour to minute]	5M5 Convert between different units of metric measure [e.g.: kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre]	6M5 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 of up to three decimal places
M6 Convert metric/imperial [KS2]					5M6 Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints	6M6 Convert between miles and kilometres
M7 Perimeter, area [KS2]			3M7 Measure the perimeter of simple 2-D shapes	4M7a Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres	5M7a Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres	6M7a Recognise that shapes with the same areas can have different perimeters and vice versa
				4M7b Find the area of rectilinear shapes by counting	5M7b Calculate and compare the area of rectangles (including squares), and	6M7b Calculate the area of parallelograms and triangles

				squares	including using standard units, square centimetres (cm ²) and square metres (m ²) and estimate the area of irregular shapes	
						6M7c Recognise when it is possible to use the formulae for the area of shapes
M8 Volume [KS2]					5M8 Estimate volume [e.g.: using 1cm ³ blocks to build cuboids (including cubes)] and capacity [e.g.: using water]	6M8a Calculate, estimate and compare volume of cubes and cuboids using standard units, including centimetre cubed (cm ³) and cubic metres (m ³), and extending to other units [e.g.: mm ³ and km ³]
						6M8b Recognise when it is possible to use the formulae for the volume of shapes
M9 Solve problems (a: money; b: length; c: mass / weight; d: capacity / volume)		2M9 Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change	3M9a Add and subtract amounts of money to give change, using both £ and p in practical contexts	4M9 Calculate different measures, including money in pounds and pence	5M9a Use all four operations to solve problems involving measure [money] using decimal notation, including scaling	6M9 Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate
			3M9b Add and subtract lengths (m/cm/mm)		5M9b Use all four operations to solve problems involving measure [e.g.: length] using decimal notation, including scaling	
			3M9c Add and subtract mass (kg/g)		5M9c Use all four operations to solve problems involving measure [e.g.: mass] using decimal notation,	

					including scaling	
			3M9d Add and subtract volume / capacity (l/ml)		5M9d Use all four operations to solve problems involving measure [e.g.: volume] using decimal notation, including scaling	