



Progression in Measures

Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Vocabulary							
first then after before every day every evening morning afternoon evening night-time earlier later too late too soon 'in a minute yesterday tomorrow longer shorter heavier lighter more less	heavier than lighter than shorter than longer than more less	long/short longer/ shorter tall/ short double/ half heavy /light heavier than/ lighter than full/ empty more than/ less than half/ half full/ quarter quicker/slower earlier/later hour/minute/ second before/after/next first today/yesterday/ tomorrow morning/afternoon/evening day/week/month/ year o'clock/half past	millimetre centimetre kilogram gram centigrade litre millilitre greater than/less than pound pence change quarter past quarter to half as high twice as wide analogue	perimeter Roman numeral 24 hour clock digital clock o'clock Am Pm noon midnight month year Leap year	metric convert algebraic expression area	metric imperial volume perimeter area scaling conversion	Conversion mile Kilometre formulae cubic centimetre cubic metre dissection
Comparing and estimating							
Make comparisons between objects relating to size, length, weight and capacity. <i>Comparing lengths of items linked to topic.</i>		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	compare and order lengths, mass, volume/capacity and record the results using >, < and = compare and sequence intervals of time	compare durations of events, for example to calculate the time taken by particular events or tasks estimate and read time with increasing accuracy to the nearest minute;	estimate, compare and calculate different measures, including money in pounds and pence	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, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm ³) and cubic metres (m ³), and extending to other units [e.g. mm ³ and km ³].

<p>Begin to describe a sequence of events, real or fictional, using words such as 'first', 'then...'</p> <p><i>Story time focus using the language of time. Group time discussion about the activities the children have completed.</i></p>		<p>than, half, half full, quarter] time [e.g. quicker, slower, earlier, later]</p> <p>sequence events in chronological order using language [e.g. before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]</p>		<p>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)</p>		<p>estimate volume (e.g. using 1 cm³ blocks to build cubes and cuboids) and capacity (e.g. using water)</p>	
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Measuring and calculating

		<p>measure and begin to record the following: *lengths and heights *mass/weight *capacity and volume *time (hours, minutes, seconds)</p>	<p>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</p>	<p>measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</p> <p>measure the perimeter of simple 2-D shapes</p>	<p>measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres</p>	<p>measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres</p>	<p>recognise that shapes with the same areas can have different perimeters and vice versa</p>
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Measuring and calculating money

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			involving addition and subtraction of money of the same unit, including giving change				
Measuring and calculating area and volume							
					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 recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3)	calculate the area of parallelograms and triangles calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm ³) and cubic metres (m ³), and extending to other units [e.g. mm ³ and km ³]. recognise when it is possible to use formulae for area and volume of shapes
Telling the time							
		tell the time to the hour and half past the hour and draw the hands on a clock face to show these times. recognise and use language relating to dates, including days of the week, weeks, months and years	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. know the number of minutes in an hour and the number of hours in a day.	tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks 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.,	read, write and convert time between analogue and digital 12 and 24-hour clocks (appears also in Converting) 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	

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