

## Maths Curriculum Assessment Grid for Years 1 to 6

Measurement						
	Y1	Y2	Y3	Y4	Y5	Y6
<b>Length and height</b>	Compare, describe, measure, record and solve practical problems for lengths and heights (for example long/short, longer/shorter, tall/short, double/half)	Choose and use appropriate standard units to estimate and measure length and height in any direction (m and cm)	Measure, compare, add and subtract lengths (m, cm and mm)	Convert between different units of measure ( <b>mm to cm, cm to m</b> , m to km and vice versa)	Convert between different units of measure (mm to cm, cm to m, m to km and vice versa)	Use, read, write and convert between standard and non-standard units converting measurement of length from a smaller unit of measurement to a larger unit and vice versa, using decimal notation up to three decimal places e.g. convert between miles and km)
			Estimate, compare and calculate lengths and heights	Understand and use <b>approximate</b> equivalences between metric units and common imperial units (inches, feet, yards and miles)		
		Compare and order using <, > and =	Measure the perimeter of simple 2D shapes	Measure and calculate the perimeter of a rectilinear figure (any shape with straight sides, including squares) in cm and m	Measure and calculate the perimeter of composite rectilinear shapes in cm and m	Recognise that shapes with the same areas can have different perimeters and vice versa.
			Calculate and compare the area of rectangles (squares) and including using standard units, square cm and square meters and estimate the area of irregular shapes	Recognise when it is possible to use formulae for area of shapes		
<b>Mass and weight</b>	Compare, describe, measure, record and solve practical problems for mass and weight (for example heavy/light, heavier than/lighter than)	Choose and use appropriate standard units to estimate and measure mass (kg, g)	Measure, compare, add and subtract mass (kg and g)	Convert between different units of measure (g to kg and vice versa)	Convert between different units of measure (g to kg and kg to g)	Use, read, write and convert between standard and non-standard units converting mass and weight from a smaller unit of measurement to a larger unit and vice versa, using decimal notation up to three decimal places e.g. g to kg, kg to g and g to ounces, kg to stones, stones to kg)
			Estimate, compare and calculate mass and height	Understand and use <b>approximate</b> equivalences between metric units and common imperial units (ounces, stone and pounds)		
<b>Capacity and</b>	Compare, describe, measure, record and solve practical problems for mass and weight (for example full/empty, more than/less than, half full/quarter)	Choose and use appropriate standard units to estimate and measure capacity (l and ml)	Measure, compare, add and subtract capacity and volume (l and ml)	Convert between different units of measure (ml to l and vice versa)	Convert between different units of measure (ml to l and vice versa)	Calculate, estimate and compare volume of cubes and cuboids using standard units cm <sup>3</sup> , m <sup>3</sup> , mm <sup>3</sup> and km <sup>3</sup>
			Estimate, compare and calculate capacity and volume	Estimate volume using cm <sup>3</sup> blocks to build cuboids/and capacity (e.g. using water)	Recognise when it is possible to use formulae to calculate the volume of shapes	
<b>Time</b>	Compare, describe, measure, record and solve practical problems for time (for example quicker/slower, earlier/later)	Tell and write the time to five minutes including quarter past and quarter to and draw hands on a clock to show these times	Tell and write the time from an analogue clock including using Roman numerals to XII and digital 12- and 24- hour clocks	Read, write and convert time between analogue and digital 12- and 24-hour clocks	Solve problems involving converting between units of time	Introduce compound units for speed e.g. mph, kmph
	Sequence events in chronological order e.g. before/after, next/first, today/yesterday, tomorrow, morning/afternoon/evening	Compare and sequence intervals of time	Estimate and read the time to the nearest minute. Record and compare time in seconds, minutes and hours	Solve problems converting hours to minutes, minutes to seconds, years to months, and weeks to days		
	Recognise and use language of days, weeks, months and years	Know the number of minutes in an hour and how many hours there are in one day	Use vocabulary such as o'clock, am, pm, morning, afternoon, noon and midnight	Estimate, compare and calculate measurements of time		
			Know the number of seconds in a minute and the number of days in a month, year and leap year			
Tell time to the hour and half past the hour. Draw hands on a clock face to show this		Compare durations of events (including interpreting timetables)				
<b>Temperature</b>		Choose and use appropriate standard units to estimate and measure temperature (°C)	Compare and order using <, > (colder/warmer) and =	Count beyond 0°C to include negative temperatures	Count forwards and backwards with positive and negative temperatures through 0°C	Calculate differences in temperatures through 0°C

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<b>Money</b>	Recognise and know the value of different denominations of coins and notes	Recognise and use symbols for pounds (£) and pence (p)	Add and subtract amounts of money (to give change) using both the £ symbol and p in practical contexts	Estimate, compare and calculate using money in £ and p	Solve multi step worded problems involving money using some or all of the four operations	Solve multi step worded problems involving money using some or all of the four operations
		Combine amounts of money 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				