

MATHS ASSESSMENT GRID

Expected

	Number, place value, approximation and estimation/rounding	Calculations	Fractions, decimals and percentages	Measurement	Geometry	Statistics
Year 3	<ul style="list-style-type: none"> I can count from 0 in multiples of 4, 8, 50 and 100. I can compare and order numbers up to 1,000. I can read and write numbers to 1,000 in numerals and words. I can find 10 or 100 more or less than a given number. I can recognise the place value of each digit in a 3-digit number. I can identify, represent and estimate numbers using different representations. I can solve number problems and practical problems using above. 	<ul style="list-style-type: none"> I can add and subtract mentally, including: <ul style="list-style-type: none"> A 3-digit number and ones A 3-digit number and tens A 3-digit number and hundreds I can add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction. I can estimate the answer to a calculation and use inverse operation to check answers. I can solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. I can recall and use multiplication and division facts for the 3x, 4x and 8x tables. I can write and calculate mathematical statements for multiplication and division using the multiplication tables, including for 2-digit numbers, using mental and progressing to formal written methods. I can solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which n objects are connected to m objects. 	<ul style="list-style-type: none"> I can count up and down in tenths. I recognise that tenths arise from dividing an object into 10 equal parts and in dividing 1-digit numbers or quantities by 10. I recognise and can find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators. I can compare and order unit fractions and fractions with the same denominators. I can add and subtract fractions with the same denominator within one whole. I can solve problems involving the above. 	<ul style="list-style-type: none"> I can compare lengths using m, cm & mm. I can compare mass using kg & g. I can compare volume/capacity using l & ml. I can measure lengths using m, cm & mm. I can measure mass using kg & g. I can measure volume/capacity using l & ml. I can add and subtract lengths using m, cm & mm. I can add and subtract mass using kg & g. I can add and subtract volume/capacity using l & ml. I can tell and write the time from an analogue clock (12 hour clock). I can tell and write the time from an analogue clock (24 hour clock). I can tell and write the time from an analogue clock (Roman numerals). I can estimate and read time with increasing accuracy to the nearest minute. I can record and 	<ul style="list-style-type: none"> I can identify horizontal, vertical lines and pairs of perpendicular and parallel lines. I can draw 2D shapes. I can make 3D shapes using modelling materials. I recognise 3D shapes in different orientations and describe them. I recognise that angles are a property of shape or a description of a turn. I can identify right angles. I recognise that two right angles make a half-turn & three make a three quarter turn. I can identify whether angles are greater than or less than a right angle. 	<ul style="list-style-type: none"> I can interpret and present data using bar charts, pictograms and tables. I can solve one-step and two-step questions using information presented in scaled bar charts, pictograms and tables.

				<p>compare time in terms of seconds, minutes and hours.</p> <ul style="list-style-type: none"> • I can use the following vocabulary: o'clock, am, pm, morning, afternoon, noon & midnight. • I know the number of seconds in a minute. • I know the number of days in each month, year and leap year. • I can compare the duration of events. • I can measure the perimeter of simple 2D shapes. • I can add and subtract amounts of money to give change, using both £ and p in a practical context. 		
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Exceeded

Mastery level (Exceeding age related expectation)	
Year 3	<ul style="list-style-type: none"> • I can recognise the value of each digit in a 4-digit number and the value of a tenth. • I know all multiplication facts up to 10 x 10 and can instantaneously answer questions such as, how many 7s in 42? • I can add and subtract numbers with any number of digits using formal written methods. • I am beginning to have an understanding about negative numbers recognising they are smaller than zero. • I can multiply and divide any 2-digit number by a single digit number and have an understanding of 'remainder'. • I can find fractional values (from $\frac{1}{2}$ to $\frac{1}{10}$) of amounts up to 1000. • I can use my knowledge of number to solve problems related to money, time and measures. • I know that the total internal angles of a triangle measure 180° and can measure each angle. • I can use my knowledge of time to help me solve problems related to timetables. • I can measure, compare, add and subtract when solving more complex problems using common metric measures set out in Kg,gms; Kl,litres; Km and metres, etc.