

Year Three – end of year maths expectations

Autumn: Counting and Instant Recall Facts			
Count in tens from any number, forward or backward	Recall and use addition and subtraction facts to 20 fluently	Recall and use multiplication and division facts for the 2, 5 and 10 times tables	Recall and use multiplication and division facts for the 3 times table
Count in steps of 2, 3 and 5 from 0		Count from 0 in multiples of 4, 50 and 100	
Spring: Counting and Instant Recall Facts			
Count in steps of 2, 3 and 5 from 0	Count from 0 in multiples of 8	Count from 0 in multiples of 4, 50 and 100	Count up and down in tenths
Count in tens from any number, forward or backward	Recall and use addition and subtraction facts to 20 fluently	Recall and use multiplication and division facts for the 2, 3, 5 and 10 times tables	Recall and use multiplication and division facts for the 4 times table
Summer: Counting and Instant Recall Facts			
Count in steps of 2, 3 and 5 from 0	Count from 0 in multiples of 4, 8, 50 and 100	Count up and down in tenths	
Count in tens from any number, forward or backward	Recall and use addition and subtraction facts to 20 fluently	Recall and use multiplication and division facts for the 2, 3, 4, 5 and 10 times tables	Recall and use multiplication and division facts for the 8 times table
Place Value			
recognise the place value of each digit in a 3-digit number (100s, 10s, 1s)	compare and order numbers up to 1,000	identify, represent and estimate numbers using different representations	read and write numbers up to 1,000 in numerals and in words
solve number problems and practical problems involving these ideas	count from 0 in multiples of 100; find 10 or 100 more or less than a given number	round a two-digit number to the nearest 10	
Addition and Subtraction			
add and subtract numbers mentally, including: <ul style="list-style-type: none"> • two two-digit numbers (taken from Year 2) • a two-digit number and a near-multiple of 10 (e.g. $45 + 59$) by adjusting • a three-digit number and 1s • a three-digit number and 10s • a three-digit number and 100s 		solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction	solve problems, including missing number problems, using number facts, place value, and more complex addition
		solve problems, including missing number problems, using number facts, place value	subtract numbers with up to 3 digits, using formal written methods of column subtraction
add numbers with up to 3 digits, using formal written methods of column addition		estimate the answer to a calculation and use inverse operations to check answers	
Multiplication and Division			
recall and use multiplication and division facts for the 3x tables	recall and use multiplication and division facts for the 8x tables	solve problems, including missing number problems, involving multiplication and division	recall and use multiplication and division facts for the 4x tables
write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, -fact families, arrays	write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental methods	write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects

Fractions			
compare and order unit fractions, and fractions with the same denominators (as numbers)	recognise and show, using diagrams, equivalent fractions with small denominators	recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	compare and order unit fractions, and fractions with the same denominators (of same shape)
solve problems that involve all of the above	count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10	recognise, find and write fractions of a shape: unit fractions and non-unit fractions with small denominators	add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$] – pictorially/using fraction circles/rectangles in fraction kits.
Measurement			
add and subtract amounts of money to give change, using both £ and p in practical contexts	Measure, compare, add and subtract: lengths (m/cm/mm), mass (kg/g)	measure, compare, add and subtract: volume/ capacity (l/ml)	Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use appropriate vocabulary
	Add and subtract amounts of money to give change (£ and p)	Measure the perimeter of simple 2D shapes	
know the number of seconds in a minute and the number of days in each month, year and leap year	compare durations of events [for example, to calculate the time taken by particular events or tasks	use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight	Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks
Geometry – Properties of Shape			
Recognise angles as a property of shape or a description of a turn	Identify right angles, recognise that 2 right angles make a half-turn, 3 make 3 quarters of a turn and 4 a complete turn; identify whether angles are greater than or less than a right angle	draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them	
Identify horizontal and vertical lines and pairs of perpendicular and parallel lines			
Statistics			
Interpret and present data using bar charts, pictograms and tables	solve one-step and two-step questions [for example 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables		