

Year 3/4 Maths Overview

Term	Year Group	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Autumn 1	Y3 NC Objectives	First week set up systems	Number: Place Value				Number: Addition	
			<p>I can count from 0 in multiples of 100</p> <p>I can count from 0 in multiples of 100</p> <p>I can read and write numbers up to 1000 in numerals</p> <p>I can read and write numbers up to 1000 in words</p> <p>Extra: I can recognise Roman numerals to 12</p>	<p>I can find 1 more or less than a given number</p> <p>I can find 10 more or less than a given number</p> <p>I can find 100 more or less than a given number</p> <p>I recognise the place value of each digit in a 3 digit number</p> <p>I can identify, write and estimate numbers using different representations including a number line to 1000</p>	<p>I can compare objects and numbers up to 1000</p> <p>I can order numbers up to 1000</p> <p>Extra: I can round a number to the nearest 10</p>	<p>I can solve number problems and practical problems involving number and place value</p>	<p>I can add and subtract a 3 digit number and 1s</p> <p>I can add and subtract a 3 digit number and 10s</p> <p>I can add and subtract a 3 digit number and 100s</p>	<p>I can add numbers with up to 3 digits using the expanded column method</p> <p>I can solve problems, including missing number problems, using number facts, place value and more complex addition</p>

Autumn 1	Y4 NC Objectives	First week set up systems	Number: Place Value				Number: Addition	
		<p>I can count in multiples of 1000</p> <p>I can count in multiples of 25</p> <p>I can read Roman Numerals to 100 (I to C) and know that over time the numeral system changes to include the concept of zero and place value</p>	<p>I can find 100 more or less than a given number</p> <p>I recognise the place value of each digit in a four digit number (100s, 100s, 10s, 1s)</p> <p>I can identify, write and estimate numbers using different representations including a number line to 10000</p>	<p>I can compare and order numbers beyond 1000</p> <p>I can round to the nearest 10, 100 and 1000</p>	<p>I recognise that there are numbers below 0</p> <p>I can count backwards through zero to include negative numbers</p> <p>I can solve number and practical problems that involving increasingly large positive numbers and place value</p>	<p>I can add numbers with up to 4 digits using the compact column method – no exchange</p> <p>I can add numbers with up to 4 digits using the compact column method – one exchange</p> <p>I can add numbers with up to 4 digits using the compact column method – more than one exchange</p>	<p>I can solve two-step addition problems in contexts, deciding with operations and methods to use and why</p>	

		Number: Subtraction		Assessment week	Number: Multiplication		Number: Division	
		Autumn 2	Y3 NC Objectives		I can subtract a 1 digit number from a 3 digit number	I can estimate the answer to a calculation		I recall multiplication and division facts for the 3 x tables
Y4 NC Objectives	I can subtract numbers with up to 4 digits using the compact column method		I can choose efficient strategies for subtraction, knowing when to use mental or written strategies		I can recall multiplication and division facts for multiplication tables up to 12 x 12	I can multiply a 2 digit number by a 1 digit number using expanded column method	I can divide a 2 digit number by a 1 digit number by sharing equally	I can solve problems involving multiplication and division, including the distributive law to multiply 2 digit numbers by 1 digit, integer scaling problems and harder correspondence problems in which n objects are connected to m objects
		I can subtract a 2 digit number from a 3 digit number	I can use inverse operations to check my answers		I recall multiplication and division facts for the 4 x tables	I can write and calculate multiplication sums using my x tables, including 2 digit x 1 digit numbers using the grid method	I can write and calculate division sums using my x tables, including 2 digit x 1 digit numbers using written formal methods	
		I can subtract a 3 digit number from a 3 digit number (using the partitioned column method)	I can solve problems, including missing number problems, using number facts, place value and more complex addition and subtraction		I recall multiplication and division facts for the 8 x tables			I can solve missing number problems
		I can subtract numbers with up to 4 digits using the compact column method where there is one exchange	I can estimate and use inverse operations to check answers		I can use place value, known and derived facts to multiply and divide mentally, including by 1	I can multiply a 3 digit number by a 1 digit number using expanded column method	I can divide a 3 digit number by a 1 digit number by sharing equally	
		I can explore what happens when there is more than one exchange	I can solve two-step addition and subtraction problems in contexts, deciding with operations and methods to use and why		I can use place value and derived facts to multiply together 3 numbers		I can multiply and divide with and without remainders	

Spring 1	Y3 NC Objectives	Number: Multiplication & Division	Measurement: Length, Perimeter and Area			Number: Fractions		
		<p>I can multiply by 10</p> <p>I can divide by 10</p> <p>I recognise and use factor pairs in mental calculations</p>	<p>I can measure and compare lengths (m/cm/mm)</p> <p>I can add and subtract length</p>	<p>I can measure the perimeter of simple 2d shapes</p>	<p>I can find the area of rectilinear shapes by counting squares</p>	<p>I can recognise, find and write unit fractions of a discrete set of objects</p> <p>I can recognise, find and write non-unit fractions with small denominators (less than 10) of a discrete set of objects</p> <p>I can recognise and use unit fractions as numbers</p> <p>I can recognise and use non-unit fractions with small denominators (less than 10) as numbers</p>	<p>I can use diagrams to show equivalent fractions with small denominators (less than 10)</p> <p>I can compare and order unit and non-unit fractions</p> <p>I can compare and order fractions with the same denominator</p>	
Spring 1	Y4 NC Objectives	Number: Multiplication & Division	Measurement: Length, Perimeter and Area			Number: Fractions		
		<p>I can multiply by 10 and 100</p> <p>I can divide by 10 and 100</p> <p>I recognise and use factor pairs in mental calculations</p>	<p>Revisit Year 5 measuring and comparing objectives</p> <p>I can convert between different units of measure (e.g. km to m)</p>	<p>I can measure the perimeter of rectilinear shapes (including squares) in cm and m</p> <p>I can calculate the perimeter of rectilinear shapes (including squares) in cm and m</p>	<p>I can find the area of rectilinear shapes by counting squares</p> <p>I can compare the area of rectilinear shapes</p>	<p>I can explore fractions in different representations</p> <p>I know that fractions can be greater than one</p> <p>I can count fractions and mixed numbers on a number line</p>	<p>I can recognise and show, using diagrams, families of common equivalent fractions.</p>	

Spring 2	Y3 NC Objectives	Number: Fractions		Assessment week	Y4: Number: Decimals	Y3: Measurement: Mass & Capacity	<u>REVIEW WEEK – Teacher to choose unit of work/relevant objectives that need more time</u>	
		<p>I can find a fraction of a quantity</p> <p>I understand the terms numerator and denominator and can identify them</p>	<p>I can add and subtract fractions with the same denominator</p>		<p>I can count up and down in 10ths</p> <p>I can recognise that 10ths drive from dividing an object into equal parts and dividing numbers or quantities by 10</p>	<p>I can measure and compare mass and capacity/volume (l/ml)</p> <p>I can add and subtract mass and capacity/volume</p>		
	Y4 NC Objectives	<p>I can solve increasingly harder fraction problems to calculate quantities and fractions to divide quantities, including non-unit fractions where the answer is a whole number</p>	<p>I can add and subtract fractions with the same denominator</p> <p>I can add and subtract 2 or more fractions</p> <p>I can subtract from whole amounts, including mixed numbers</p>		<p>I can count up and down in 100ths on a number line</p> <p>I can recognise that 100ths arise when dividing an object by 100 and dividing 10ths by 10</p> <p>I can recognise and write decimal equivalents of any number of tenths</p> <p>I can recognise and write decimal equivalents of any number of hundredths</p> <p>I recognise and write decimal equivalents for $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$</p>	<p>I can measure and compare mass and capacity/volume (l/ml)</p> <p>I can add and subtract mass and capacity/volume</p> <p>I can convert between different units of measure for mass and volume/capacity)</p>		

		Number : Decimals (including Y4 Money)			Measurement: Time			
Summer 1	Y3 NC Objectives	CONSOLIDATION OF fractions and Decimals, pick up anything that needs going over again or common misconceptions	I know the value of each coin and note I understand money can be represented in different ways but can still have the same value I can convert between pounds and pence	I can add and subtract money and give change (in pounds and pence) in practical context	I know the number of days in a year and leap year I know the number of days in each month I know the number of hours in a day Extra: I know the number of minutes in an hour and seconds in a minute	I can tell and write the time on a n analogue clock (ideally to the nearest minute) I can tell and write time using roman numerals to 12 I use vocabulary such a o'clock, am/pm, morning, afternoon, noon and midnight I can read and write the time on a digital clock using am/pm I can tell and write the time using a 24hr clock I can compare the duration of events by task e.g. calculating the time taken by a particular event or task		

Summer 1	Y4 NC Objectives	Number : Decimals (including Y4 Money)			Measurement: Time			
		<p>I can make a whole using decimals up to 2dp</p> <p>I can write and compare numbers with decimals up to 2dpnd</p> <p>I can round decimals with 1dp to the nearest whole number</p>	<p>I can write money using decimal notation for pounds and pence</p> <p>I can order and estimate money in pounds and pence</p>	<p>I can add and subtract money and give change (in pounds and pence) in practical context</p> <p>I can solve simple money problems, involving all four operations, fractions and decimals to 2dp</p>	<p>Recap Year 3 objectives for year, months, days, minutes and seconds</p> <p>I can solve problems involving converting hours to minutes, minutes to seconds, years to months and weeks to days</p>	<p>I can read and write the time on an analogue clock</p> <p>I can convert time between 12hr and 24hr clocks</p> <p>I can compare durations of time using analogue and digital clocks and use number lines to calculate durations of time</p>		
Summer 2	Y3 NC Objectives	Statistics		Assessment week	Geometry: Properties of Shapes (Including Y4 Position & Direction) Plus review of any areas of need			
		<p>I can present data using pictograms</p> <p>I can interpret data from pictograms</p> <p>I can present data using bar graphs</p> <p>I can interpret data from bar graphs</p>	<p>I can present data using tables</p> <p>I can interpret data from</p> <p>I can solve one and two step problems using information presented in scaled bar charts, pictograms and tables</p>		<p>I can recognise angles as a property of shape or a description of a turn</p> <p>I can identify right angles</p> <p>I recognise that 2 right angles make half a turn, 3 make three quarters of a turn and 4 make a complete turn</p> <p>I can identify whether angles are greater or less than a right angle</p>	<p>I can measure and draw straight lines accurately in mm and cm</p> <p>I can identify and find horizontal and vertical lines in a range of contexts</p> <p>I can identify and find perpendicular and parallel lines in a range of contexts</p>	<p>I can recognise, describe and draw 2d shapes</p> <p>I can make 3d shapes using modelling materials</p> <p>I can recognise 3D shapes in different orientations and describe them</p>	<p>Y3 to consolidate any shape work or move in line with Y4 objectives if confident.</p>

		Statistics		Assessment week	Geometry: Properties of Shapes (Including Y4 Position & Direction) Plus review of any areas of need			
		Summer 2	Y4 NC Objectives	<p>Revisit Y3 pictogram and bar graph objectives</p> <p>I can interpret and present discrete and continuous data using appropriate graphical methods, e.g. bar charts and time graphs</p>	<p>Recap Y3 table objectives</p> <p>I can solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs</p>		<p>I can identify acute and obtuse angles</p> <p>I can identify, compare and order angles up to 2 right angles in size</p>	<p>I can compare and classify triangles based on their properties and sizes</p> <p>I can compare and classify quadrilaterals based on their properties and sizes</p>