Year 2 Maths Overview - 2024- 2025

Documents for reference: The Primary National curriculum, NCETM and Number Sense Maths

	Autumn 1	Autumn 2	Spring 1 Mental maths to be recorded in books	Spring 2	Summer 1 Prove its in books	Summer 2	
	Review * Oral rehearsal * Pairs fluency *Recorded arithmetic *Variation						
Flashy facts	Facts and strategies across 10 Achieving fluency in addition and subtraction facts across 10	Addition and subtraction facts to 20 fluently and derive related facts up to 100	Number Neighbours: Federace of the Difference of the Control of th	On Strategies Intrumbers have a difference of 1. Adjacent of evens have a difference of 2. under neighbours (edjacent, odds or evens) to under neighbours (edjacent, odds or evens) to build to the control of the cont	Practising strategy selection to promote efficient and flexible thinking		
	Make Ten and Then. Additions usbirt-cross the 10 boundary can be received in the control of t	Writing numerals to 100 Counting forwards and backwards from any given number	of algorith odds (e.g. 9 – 7 = 2) or adjacent events (e.g. 6 – 4 = 2) Tuo Morro. Tuo Less: Think Odds and Evens: Think Odds and Eve		Adjust It Adjust It Adjust fit Adjust fit Adjust fit Adjusting from a fact you know already, (e.g. 6 + 9 is one less than 6 + 10).		
Week 1	Number - number and place value count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward * recognise the place value of each digit in a two-digit number (tens, ones) * identify, represent and estimate numbers using different representations, including the number line * compare and order numbers from 0 up to 100; use and = signs * read and write numbers to at least 100 in numerals and in	Number - addition solve problems with addition: * using concrete objects and pictorial representations, including those involving numbers, quantities and measures * applying their increasing knowledge of mental and written methods * recall and use addition to 20 fluently, and derive and use related facts	Number - multiplication recall and use multiplication for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers * calculate mathematical statements for multiplication within the multiplication tables and write them using the multiplication (*), and equals (=) signs * show that multiplication of two	Measurement compare and sequence intervals of time 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.	Measurement 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,	Geometry - properties of shapes identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]	

	words * use place value and	up to 100 & add	numbers can be done in	thermometers and	compare and sort
	number facts to solve problems.	numbers using	any order	measuring vessels	common 2-D and 3-D
	,	concrete objects,	(commutative) and	* compare and	shapes and everyday
		pictorial	division of one number	order lengths,	objects.
		representations, and	by another cannot *	mass,	3.0.0
		mentally, including: *	solve problems involving	volume/capacity	
		a two-digit number	multiplication and	and record the	
		and ones * a two-digit	division, using	results using >, <	
		number and tens *	materials, arrays,	and = * recognise	
		two two-digit	repeated addition,	and use symbols	
		numbers * adding	mental methods, and	for pounds (£) and	
		three one-digit	multiplication and	pence (p); combine	
		numbers * one-digit	division facts, including	amounts to make a	
		numbers *show that	problems in contexts.	particular value *	
		addition of two		find different	
		numbers can be done		combinations of	
		in any order		coins that equal	
		(commutative) and		the same amounts	
		subtraction of one		of money & solve	
		number from another		simple problems in	
		cannot * recognise		a practical	
		and use the inverse		context involving	
		relationship between		addition and	
		addition and		subtraction of	
		subtraction and use		money of the same	
		this to check		unit, including	
		calculations and solve		giving change	
		missing number			
		problems.		Number -	Number – addition and
	Continue place value and start			fractions	subtraction
	addition			recognise, find,	show that addition of
				name and write	two numbers can be done
	solve problems with addition: *			fractions 31,41,	in any order
	using concrete objects and			4 2 and 4 3 of a	(commutative) and
	pictorial representations,			length, shape, set	subtraction of one
Week 2	including those involving			of objects or	number from another
	numbers, quantities and			quantity & write	cannot * recognise and
	measures up to 20.			simple fractions	use the inverse
	recall and use addition to 20			for example, 21	relationship between
	fluently, and derive and use			of 6 = 3 and	addition and subtraction
	related facts up to 20.			recognise the	and use this to check
				equivalence of 42	calculations and solve
				and 2 1.	missing number problems.
					,

Week 3		Number - subtraction solve problems with subtraction: * using concrete objects and pictorial representations, including those involving numbers, quantities and measures * applying their increasing knowledge of mental and written methods * recall subtraction facts to 20 fluently, and derive and use related facts up to 100 * subtract numbers using concrete objects, pictorial representations, and mentally, including: * a two-digit number and ones * a two-digit number and tens * two two-digit numbers	Number - division recall and use division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers calculate mathematical statements for division within the multiplication tables and write them using division (÷) and equals (=) signs show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.	Number - subtraction solve problems with subtraction: * using concrete objects and pictorial representations, including those involving numbers, quantities and measures * applying their increasing knowledge of mental and written methods * recall subtraction facts to 20 fluently, and derive and use related facts up to 100 * subtract numbers using concrete objects, pictorial representations, and mentally, including: * a two-digit number and ones * a two-digit number and tens * two two-digit numbers		Number - subtraction solve problems with subtraction: * using concrete objects and pictorial representations, including those involving numbers, quantities and measures * applying their increasing knowledge of mental and written methods * recall subtraction facts to 20 fluently, and derive and use related facts up to 100 * subtract numbers using concrete objects, pictorial representations, and mentally, including: * a two-digit number and ones * a two-digit number and tens * two two-digit numbers
Week 4	Geometry - position and direction order and arrange combinations of mathematical objects in patterns and sequences * use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anticlockwise).				Number - multiplication recall and use multiplication for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers calculate mathematical statements for multiplication within the multiplication tables and write them using the multiplication (*), and equals (=) signs show that	Geometry - position and direction order and arrange combinations of mathematical objects in patterns and sequences use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anticlockwise).

Week 5	* identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line * identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces * identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid] * compare and sort common 2-D and 3-D shapes and everyday objects.		Number - fractions recognise, find, name and write fractions 3 1 , 4 1 , 4 2 and 4 3 of a length, shape, set of objects or quantity *	Number - addition solve problems with addition: * using concrete objects and pictorial representations, including those involving numbers, quantities and measures * applying their increasing knowledge of mental and written methods * recall and use addition to 20 fluently, and derive and use related facts up to 100 * add numbers using concrete objects, pictorial representations, and mentally, including: * a two-	two numbers can be done in any order (commutative) and division of one number by another cannot * solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts. Number - division recall and use division facts for the 2, 5 and 10	Interleaving opportunities
Week 6	Measurement compare and sequence intervals of time 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.	interpret and construct simple pictograms, tally charts, block diagrams and simple tables & ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity & ask and answer questions about totalling and comparing categorical data.	write simple fractions for example, 2 1 of 6 = 3 and recognise the equivalence of 4 2 and 2 1.	digit number and ones & a two-digit number and tens & two two-digit numbers & adding three one-digit numbers & show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot & recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.	multiplication tables, including recognising odd and even numbers calculate mathematical statements for division within the multiplication tables and write them using division (÷) and equals (=) signs show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot solve problems involving	

		multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.	
Week 7			

Interleaving opportunities/retrieval practice to be planned into the end of each half term - retrieval rockets, quick quizzes and prove its