

Year 2	Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk7
Autumn 1	Transition Week	Place value to 50 Place value to 100		Addition and subtraction (Ensure all contextualised problems involve money).		Multiplication and division.	
Objectives		- To count numbers up to 50/100 using concrete objects: counting up by ones and tens (dienes and hundred square). - To read and write numbers up to 50/100. - To understand each digit in a number has its own value (partitioning). - To be able to compare numbers using place-value knowledge - To order numbers from 0 to 100	- To use the number bond strategy to partition numbers in different ways (e.g. 45 = 40 + 5 but also 30 + 15 etc) - To count in ones and tens; to introduce boundary crossing using tens and ones (include specific tasks that relate to 10 ones being in a ten) - To recognise and describe patterns with more complex numbers, in particular 3 and 5 (hundred squares). Count forwards and backwards in steps of 2,3 and 5 from 0, and in tens from any number. To use place value and number facts to solve problems (problem solving)	- To be able to add a 1-digit number to a 2-digit number without regrouping the ones. - To add tens by recognising its relationship to adding ones. - To add 2-digit numbers where one is a multiple of 10. - To add with tens and ones where the ones are both more than zero (2 2-digit numbers, no regrouping) - To solve 1 step addition problems - To use number bonds and known facts to support addition and subtraction up to 100 (warm ups)	- To subtract ones from a 2-digit number. - To subtract 2-digit multiples of 10 from 2-digit multiples of 10. - To subtract tens from a 2-digit number with the ones being more than zero. - Subtract 2 2digit numbers (no regrouping) - To use the inverse relationship between addition and subtraction. - To solve simple 1 step addition and subtraction problems using concrete and pictorial representations (problem solving)	- To realise that multiplication is the same as repeated addition with equal groups (children need to confidently make equal groups before repeated addition) - To use concrete materials and pictorial representations to multiply by 2. - To recall and use the 5 times table. - To introduce the 10 times table by focusing on the numbers found in the 10 times table. - To look at the 10 times table in more detail by looking at patterns and relationships. 10x table first 5x table second 2x table last - To use the 2, 5 and 10 times tables to solve word problems. - To understand that grouping is a way of dividing. - To be able to divide by sharing an amount. - To be able to divide by 2, 5 and 10 - To use multiplication and division skills to identify family facts in a number sentence. Division methods (pictorial and concrete) need covering with more emphasis than multiplications. To use arrays to represent multiplications and the relationship between multiplication and division.	

				Number bonds to 20 fluently – reactivates Understand commutative law		
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	Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk 7
Autumn 2	Fractions		Stats	Assessments.	Shape		Time
Objectives	To show and recognise halves and quarters in shapes (ensure children understand equal first).	To show and recognise quarters of objects (just ¼)	Interpret data from simple pictograms, tally charts, block diagrams and simple tables Present data		Name 2d and 3d shapes - Make and visualise shapes.		Read the time on a clock to 30 minutes
	To show and identify thirds in shapes	To show and recognise thirds of objects (just 1/3)	Present data in simple tables, simple pictograms, tally charts and block diagrams		Identify 2-D shapes on the surface of 3-D shapes, for example, a circle on a cylinder and a triangle on a pyramid.		Read the time on a clock to quarter past/to
	To identify and name fractions by looking at the number of pieces and how many are shaded in.	To count in quarters and halves place these onto a number line using pictures.	Ask and answer questions about totalling and comparing categorical data		Classify shapes Identify and describe the properties of 2-D shapes, including the number of sides.		Tell the time to 5 minutes (2 lessons)
	To show and recognise halves of objects	To recognise equivalent fractions in quarters, thirds and halves (incl 2/4 and ¾). 2/4 is equivalent to ½ is the main Y2 expectation.	Ask and answer simple questions by counting the number of objects in each category.		Classify shapes Identify and describe the properties of 3-D shapes, including the number of edges, vertices. And faces		Reactivates - Know minute and hour hand roles/ count around clock in 5 min intervals

	Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6
Spring 1	Money – addition and subtraction – no regroup		Multiplication and division	Measure – length and mass		Fractions
Objectives	Recognise and know the value of different coins and notes. Recognise and use symbols for pounds (£) and pence (p) (^) Combine amounts of money to make a particular value including different combinations of coins that equal the same amount of money. Cover the value of different coins (for TAF) Adding on a number line 10s and 1s	Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change Giving Change (subtraction in the context of money) Subtraction 2 digit to 2 digit using money. Subtracting on a number line 10s and 1s	- To realise that multiplication is the same as repeated addition with equal groups (children need to confidently make equal groups before repeated addition) - To use arrays to represent multiplications and the relationship between multiplication and division. - To use the 2, 5 and 10 times tables to solve word problems. - To understand that grouping is a way of dividing. - To be able to divide by sharing an amount. - To be able to divide by 2, 5 and 10 - To use multiplication and division skills to identify family facts in a number sentence. <i>Division methods (pictorial and concrete) need covering with more emphasis than multiplications.</i>	Read scales, in divisions 1's, 2's, 5's and 10's. Choose and use appropriate standard units to estimate and measure to the nearest appropriate unit Choose and use appropriate standard units to estimate and measure length/height in any direction mass and length. Solve measurement problems Compare and order lengths, mass, volume/capacity and record results using <, > and =. Solve problems involving comparing measures of length, mass and capacity/volume (+)		To find fractions (half) of whole numbers. To find a fraction (third) of a whole number. To find a fraction (quarter) of a number

	Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6
Spring 2	Addition and Subtraction with regrouping		Fractions recap	Assessment Week	Measures (capacity and temp)	
Objectives	- To add with tens and ones where the ones are both more than zero (2 2-digit numbers, no regrouping) - To be able to add a 1-digit number to a 2-digit number with regrouping in the ones. - To add with tens and ones where the ones are both more than zero (2 2-digit numbers, regrouping) x2 lessons - To solve 1 step addition problems (problem solving) - To use number bonds and known facts to support addition and subtraction	- Subtract 2 2digit numbers (no regrouping) - Subtract 2 2digit numbers (with regrouping – 2 lessons) - To use the inverse relationship between addition and subtraction. - To solve simple 1 step addition and subtraction problems using concrete and pictorial representations (problem solving/DD)	Recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$ Recognise, find, name and write fractions $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity Recognise, find, name and write fractions $\frac{1}{3}$ and $\frac{2}{3}$ of a length, shape, set of objects or quantity Fractions of number recap $\frac{1}{2}$ $\frac{2}{4}$ $\frac{1}{3}$. Reactivates – fractions of shapes		Read scales, in divisions 1's, 2's, 5's and 10's. Choose and use appropriate standard units to estimate and measure to the nearest appropriate unit Choose and use appropriate standard units to estimate and measure capacity and temperature. Solve measurement problems. Solve problems involving comparing measures of capacity/volume (+) and temperature. Compare and order temperature/capacity and record the results using >, < and =	

	up to 100 (warm ups) Number bonds to 20 fluently – reactivates Understand commutative law				
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	Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk 7
Summer 1	Place Value Recap	Addition Subtraction	Multiplication Division	Shape	Time		Position and Direction
Objectives	- To count in ones and tens; to introduce boundary crossing using tens and ones (include specific tasks that relate to 10 ones being in a ten) - Count forwards and backwards in steps of 2,3 and 5 from 0, and in tens from any number. - To read and write numbers up to 100 and partition, including in different ways. - To order numbers from 0 to 100 - To use place value and number facts to solve problems (problem solving)	- Add/subtract multiples of 10 from 2 digits, incl where ones are greater than 0. - To add with tens and ones where the ones are both more than zero (2 2-digit numbers, regrouping) - Subtract 2 2digit numbers (with regrouping) - To use the inverse relationship between addition and subtraction. - Solve problems Reactivates – number bonds to 20, known facts to 100 & commutative law.	- To realise that multiplication is the same as repeated addition with equal groups (children need to confidently make equal groups before repeated addition) - To use arrays to represent multiplications and the relationship between multiplication and division. - To use the 2, 5 and 10 times tables to solve word problems. - To understand that grouping is a way of dividing. - To be able to divide by sharing an amount (2, 5 and 10) <i>Division methods (pictorial and concrete) need covering with more emphasis than multiplications.</i> Reactivates - To use multiplication and division skills to identify family facts in a number sentence.	Properties of 2D shapes recap Properties of 3d shapes recap Sort 2d and 3d shapes a Carroll diagram could be a good organiser here) Lines of symmetry Problem solving – sorting shapes	Read the time on a clock to 30 minutes Read the time on a clock to quarter past/to Tell the time to 5 minutes (2 lessons) Know the number of minutes in an hour and hours in a day (apply to problems) Compare and sequence intervals of time (2 lessons) Record the time on an analogue clock in words (+)		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 anti-clockwise)

	Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk 7
Summer 2	Fractions (recap)		Calculations recap	Assessment week	Money	Time	Measures Recap
Objectives	To show and recognise halves and $\frac{1}{3}$ in shapes To recognise $\frac{1}{4}$ and $\frac{3}{4}$ in shapes. To identify and name fractions by looking at the number of pieces and how many are shaded in. To count in quarters and halves place these onto a number line using pictures.	To show and recognise halves, of a set of objects To show and recognise a quarter of a number (understand this is half of a half) To show and recognise three-quarters of a number To recognise equivalent fractions of a half. ($\frac{2}{4}$)	<i>4 operations gaps</i> <i>Missing numbers</i> <i>Timestables 2s, 5s and 10s</i> <i>Inverse</i>		Recognise and know the value of different coins and notes. Recognise and use symbols for pounds (£) and pence (p) (^) Combine amounts of money to make a particular value including different combinations of coins that equal the same amount of money. Add amounts Subtract money to calculate change Problem solving involving money	Time gaps Read the time on a clock to 30 minutes Read the time on a clock to quarter past/to Tell the time to 5 minutes (2 lessons) Time problems (mins in an hour and day/ compare and sequence intervals of time)	Read scales, in divisions 1's, 2's, 5's and 10's. Choose and use appropriate standard units to estimate and measure to the nearest appropriate unit Choose and use appropriate standard units to estimate and measure length/height/mass, capacity & temperature. Solve measurement problems.