

Maths. Long Term Plan

Strands

Number

Geometry

Measurement

Statistics

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	<p>Abacus Autumn Term 1:</p> <p>*Counting – chanting numbers in order up to 10 and then 20, counting items into a set, counting items taken from a larger set, matching a number of items to a numeral, matching written and spoken numerals and</p>	<p>Abacus Autumn Term 2:</p> <p>*Days of the week, reciting the names and beginning to order them. Use language related to time and position.</p> <p>*Length, height and capacity, using the language associated with comparing and measuring.</p>	<p>Abacus Spring Term 3:</p> <p>*Counting. Count to 100 and compare and order numbers to 20. Estimate numbers of objects and images and begin to understand that teen numbers are 10 plus some more.</p> <p>*Patterns, including line symmetry in images and simple shapes. Create and</p>	<p>Abacus Spring Term 4:</p> <p>*Compare and order numbers to 20. Understand that teen numbers are ten plus some more.</p> <p>*Explore lengths, heights and weights, learning to compare each of these, using direct comparison.</p> <p>*Compare numbers to 10 and 20. One more and one less.</p>	<p>Abacus Summer Term 5:</p> <p>*Count to 100 as a whole class. Revise fact that teen numbers are made of 10 and some more and write addition sentences to show this.</p> <p>*Common 2D and 3D shapes. Distinguish between solid (3D)</p>	<p>Abacus Summer Term 6:</p> <p>*Count on and back to/from any number to 20. Practise counting to 100 and begin to cement in the patterns of numbers in the count. Find one more and one less than numbers up to 20, linking this to adding and subtracting 1.</p>

	<p>being able to count accurately using one-to-one correspondence.</p> <p>*Patterns. Copy, continue, describe and create patterns using colours, shapes, objects, sounds and actions.</p> <p>*Subitise numbers to 6 and count along a 1-10 number track.</p> <p>*Introduce addition and subtraction.</p>	<p>*Counting. Chant numbers to 20. Count accurately using one-to-one correspondence and understand conservation of number. Write numbers to 10 and begin to compare and order numbers to 10.</p> <p>*2D shapes, beginning to identify circles, triangles and rectangles including squares. Begin to use appropriate language to describe simple 2D shapes.</p> <p>*Reinforce knowledge of spoken numbers and matching written numerals up to 10. Say one more and one less than a given number.</p>	<p>extend repeating patterns involving two, three and four items.</p> <p>*Partition sets of ten objects and learn the number pairs to 10.</p> <p>*Improve understanding of how time is measured, and recognise units of time.</p> <p>*Recognise and identify common 3D shapes learning to name cubes, spheres, cuboids, cones, pyramids and cylinders.</p> <p>*Money. Begin to recognise that different coins have different values to match real coins to amounts of money, e.g. 10p is ten 1p coins</p>	<p>Begin to write addition and subtraction sentences to match one more/less.</p> <p>*Revisit days of the week, use language related to time e.g. 'yesterday' and 'tomorrow'. Recognise o'clock times on analogue/digital clocks.</p> <p>*Use the language of position and direction, including 'left' and 'right' in the context of games.</p> <p>*Partitioning numbers and finding pairs of numbers that total the number. Begin to learn number bonds to 5, 6, 7, 8 and 10.</p> <p>*Coins and money. Compare and order</p>	<p>shapes and flat (2D) shapes.</p> <p>*Double numbers to 5 and halve even numbers to 10, using objects, the image of twins and balancing scales.</p> <p>*Explore measures: lengths, weights and capacities, learning to compare each of these using direct comparison.</p> <p>*Begin to count in 2s, 5s and 10s. Sort numbers into odd and even numbers, and revisit doubles and halves.</p>	<p>*Money. Children revise and learn all the coins from 1p to £2. They name, describe and begin to order the coins according to value.</p> <p>*Revisit days of the week. Talk about how we measure time in different ways and recognise o'clock times on analogue and digital clocks.</p> <p>*Partition five, six and ten objects into two groups in order to find all the pairs of numbers with totals of 5, 6 and 10. The matching additions are recorded and read.</p> <p>*Count on 1, 2, 3 or 4 from any number to give totals up to 20, and begin to count back 1, 2 or 3</p>
--	--	---	---	--	---	--

				coins according to value.		from numbers up to 20.
Year 1	<p>NPV Number and place value; To 10 (wk 1-4) and then 20 (wk 5 onwards)</p> <ul style="list-style-type: none"> * Read & write numbers to 10 then 20 (numerals and starting to recognise number names) * More / less than * Ordering * Comparing numbers * Counting out objects * Using a 10 frame and part whole model * Counting forwards / backwards to / from 20 <p>MAS Mental addition and subtraction; Addition (within 10):</p> <ul style="list-style-type: none"> * Counting on * Addition within / to 10 * Addition / equals symbols * Introduction to number bonds to 5 and 10 	<p>NPV Number and place value</p> <p>To 20 and beyond:</p> <ul style="list-style-type: none"> * Greater than / less than / equals * ordering numbers to 20 * ordinal numbers * partitioning <p>MAS Mental addition and subtraction; Addition & Subtraction:</p> <ul style="list-style-type: none"> * Counting back * Doubles * Subtraction * Subtraction / equals symbols * Find 1or 2 less than *Counting in 10s * Addition facts <p>PRA Problem solving, reasoning and algebra</p> <p>Buckstones Big Maths. - Shape investigation</p> <p>GPD Geometry:</p>	<p>NPV Number and place value; * Number patterns and facts</p> <ul style="list-style-type: none"> * Embed understanding of two digit numbers inc. more/less greater than/less than. <p>Consolidation:</p> <ul style="list-style-type: none"> * Number names * Counting forwards and backwards to 100. * Counting in 10s <p>MAS Mental addition and subtraction-Addition & Subtraction:</p> <ul style="list-style-type: none"> * Addition with money * Counting on and backwards using coins * Number facts to solve word problems * Addition and subtraction using number facts 	<p>NPV Number and place value;</p> <ul style="list-style-type: none"> * Finding 10 more and 10 less than a given number * Doubles * Counting in 2s, 5s, 10s <p>MAS Mental addition and subtraction- *Counting in 10s, 2s and 5s and identifying patterns</p> <ul style="list-style-type: none"> * Doubles, halves * Addition and subtraction crossing 10 <p>FRP Fractions, ratio and proportion* Halves and quarters as equal parts of a whole</p> <ul style="list-style-type: none"> * Halves and quarters of shapes 	<p>NPV Number and place value;</p> <p>To 100:</p> <ul style="list-style-type: none"> * 10 less and 10 more than any 2-digit number * exploring patterns in numbers * identifying 10s and 1s. * order 2 digit numbers up to 100 * place value addition <p>MAS Mental addition and subtraction; *Adding and subtracting 10</p> <p>PRA Problem solving, reasoning and algebra</p> <p>MEA Measurement; *Compare weight and capacity</p> <ul style="list-style-type: none"> * Value of coins 	<p>NPV Number and place value</p> <p>To 100:</p> <ul style="list-style-type: none"> * 10 less and 10 more than any 2-digit number * exploring patterns in numbers * identifying 10s and 1s. * order 2 digit numbers up to 100 * place value addition <p>MAS MMD</p> <ul style="list-style-type: none"> * Odd and even numbers * 2s, 5s, 10s *Finding change in money from 10p and 20p <p>PRA Problem solving, reasoning and algebra;</p>

	<p>PRA Problem solving, reasoning and algebra</p>	<p>* 2d shape</p> <p>MEA Measurement* Comparing and measuring length</p>	<p>PRA Problem solving, reasoning and algebra;</p> <p>GPS Geometry: properties of shapes; * 3d shape</p> <p>MEA Measurement* Money</p> <p>* Days of the week and months of the year.</p>	<p>PRA Problem solving, reasoning and algebra</p> <p>MEA Measurement* Reading time to hour and half hour</p> <p>* Duration of a day, minute and hour</p> <p>GPS Geometry:</p> <p>* Direction (forwards, backwards, turn)</p>	<p>MMD Mental multiplication and division; doubles</p> <p>FRP Fractions, ratio and proportion; *Half of numbers to 10 and then 20</p>	<p>FRP Fractions, ratio and proportion * Consolidating understanding of 2-digit numbers and exploring patterns in 2s, 5s and 10s</p> <p>MEA Measurement; * Time to half hour consolidation</p> <p>GPS Geometry: properties of shapes; * 2d shape and repeating patterns</p> <p>MAS Mental addition and subtraction</p>
Year 2	<p>NPV PRA Place value Focuses on place value in numbers 0-100 and different ways of representing, comparing and ordering these.</p> <p>MAS PRA Addition and subtraction Focus on learning and using addition and subtraction number facts, including bonds</p>	<p>NPV PRA MAS Place value; ordinal numbers Focus on developing a good understanding of place value, comparing and ordering numbers to 100, including ordinal numbers.</p> <p>MAS PRA Addition and subtraction Focuses on adding and subtracting smaller 2-</p>	<p>NPV MAS Place value Focuses on understanding place value in numbers to 100 and beginning to use this to add and subtract 2-digit numbers.</p> <p>MAS PRA; MEA Number facts; addition and subtraction</p>	<p>MMD FRP Fractions Focuses on doubling and halving, including odd numbers, leading to counting in halves and mixed numbers; unit and non-unit fractions are then modelled using a variety of images.</p> <p>MMD PRA Multiplication and division Focuses on 'clever counting' on</p>	<p>NPV MAS Place value Focus on place value, including adding and subtracting 2-digit numbers by counting on/back in 10s and 1s.</p> <p>MAS PRA Addition and subtraction Focus on using number facts to solve additions and subtractions,</p>	<p>MAS NPV MEA PRA Addition and subtraction; money Focuses on mental addition and subtraction strategies, using number facts and place value; and on using £.p notation and solving money problems.</p> <p>MMD PRA Multiplication and</p>

	<p>to 10, in simple and harder calculations.</p> <p>GPS STA 2D shapes Focuses on identifying and classifying 2D shapes, using a variety of sorting devices.</p> <p>NPV PRA MAS Place value; ordinal numbers Focus on developing a good understanding of place value, comparing and ordering numbers to 100, including ordinal numbers.</p>	<p>digit numbers to and from larger ones.</p> <p>GPD MEA Position and direction; length Focuses on understanding the vocabulary associated with position and movement and then comparing and measuring lengths using cm and m.</p> <p>MAS PRA MMD Addition and subtraction Focuses on adding, subtracting, doubling and halving 2-digit numbers, using an understanding of place value.</p> <p>MMD; MEA PRA Using money in calculations Focuses on counting in uniform steps, using coins to help us create sequences and find totals.</p>	<p>Focus on revising, then using, bonds to 10 in addition (counting on, bridging 10), and subtraction (finding a difference, extending to calculating change).</p> <p>MAS PRA Number facts; addition and subtraction Focus on revising, then using, bonds to 10 in addition (counting on, bridging 10), and subtraction (finding a difference, extending to calculating change).</p> <p>GPS GGPD; MEA 3D shapes; time Focuses on identifying 3D shapes and their properties, including naming 2D faces; and then on rehearsing telling the time on analogue and digital clocks.</p> <p>NPV Place value Focuses on extending understanding of place value to include</p>	<p>the number line, and introduces the \times sign for multiplication.</p> <p>MEA STA Time; data Focuses on telling the time and further develops children's understanding of the units of time; time is then used as the context for data to be represented on pictograms and block graphs.</p> <p>MMD PRA Multiplication and division Focuses on 'clever counting' using arrays as well as number lines; division is introduced as the inverse of multiplication.</p> <p>MEA NPV PRA MAS Money and money calculations Focuses on rehearsing coin and note values, and on writing amounts of money; money is then</p>	<p>including adding several numbers and counting up using complements to the next multiple of 10 to find a difference.</p> <p>MAS Addition and subtraction Focus on using number facts to solve additions and subtractions, including adding several numbers and counting up using complements to the next multiple of 10 to find a difference.</p> <p>MEA STA Measures; statistics and data Focuses on using non-standard and standard units to measure and compare weights and capacities; and on using this context to revise the use of block graphs.</p>	<p>division Focuses on relating multiplication and division to 'clever counting' (steps of 2, 3, 5, 10), understanding multiplication as arrays, and solving divisions as missing number problems.</p> <p>MEA Length; time Focuses on estimating and measuring lengths in cm; and on telling the time to 5 minutes.</p> <p>MAS MMD PRA Addition and subtraction; multiplication and division Focuses on adding by partitioning; finding differences; and on multiplying and dividing by counting in steps.</p>
--	--	---	--	--	---	---

			landmarked lines and estimation	used as the context for adding and finding totals Buckstones - Big Maths	MMD FRP Multiplication, division and fractions Focuses on doubling and halving as inverse operations, and relates division to fractions, including finding halves, quarters and thirds of amounts.	NPV MAS Place value Focuses on revising place value in 2-digit numbers, and extending to place value in 3-digit numbers. Buckstones- Big Maths
Year 3	MAS PRA Addition and subtraction Focus on revising the understanding and use of place value and number facts in mental addition and subtraction.	IMMD; FRP PRA Multiplication and division; fractions Focus on doubling and halving, and understanding a half and other unit fractions. MEA PRA MAS Place value in addition and	NPV; MAS PRA Place value Focus on embedding a thorough understanding of place value and properties of numbers. MAS MMD STA PRA Addition; times	NPV PRA WAS Addition and subtraction Focus on the way a secure understanding of place value underpins rounding, mental addition and subtraction, and column methods of addition.	MAS PRA FRP Addition and subtraction Focus on securing understanding of addition and subtraction and rehearsing sound mental strategies, extending to adding	WAS MAS Addition and subtraction Focus on mental and written addition and subtraction, including mental strategies, column addition, subtracting by counting up, and choosing appropriate

	<p>NPV MAS PRA Addition and subtraction Focus on revising the understanding and use of place value and number facts in mental addition and subtraction.</p> <p>MMD PRA Multiplication and division Focus on key multiplication and division facts and on doubling and halving.</p> <p>PRA MEA GPS STA Time; 2D shapes; right angles Focus on identifying, describing and sorting 2D shapes.</p> <p>NPV MAS PRA Place value; difference Focus on placing 2- and 3-digit numbers on a line and using an empty number line to find differences.</p> <p>Buckstones Big Maths: The Bucket</p>	<p>subtraction Focus on understanding place value and on using partitioning in adding and subtracting.</p> <p>MEA GPS Length; perimeter Focus on the SI units and measurement of length.</p> <p>NPV; MAS PRA Place value; difference Focuses on using number lines to compare and round numbers and to find differences.</p> <p>MMD PRA MAS Revision Revision of key calculation strategies and their use in word problems.</p>	<p>tables Focus on using partitioning in addition; and on the 2, 3, 4, 5, 8 and 10 times tables.</p> <p>FRP PRA Fractions Focus on fractions as numbers, finding equivalent fractions, placing fractions on a line, and on fractions as operators, finding fractions of amounts.</p> <p>GPS GPD MEA Angles; 2D shapes Focus on angles, including right angles, measurement of turn, and the ° symbol;</p> <p>NPV MAS; GPS Addition and subtraction; 3D shapes Focus on the way a secure understanding of place value underpins rounding, mental addition and subtraction, and</p>	<p>MAS WAS PRA Addition and subtraction Focus on the way a secure understanding of place value underpins rounding, mental addition and subtraction, and column methods of addition.</p> <p>MEA Time Focus on time-telling on digital and analogue clocks, and the calculation of time intervals; these are used in solving word problems.</p> <p>NPV MAS PRA Place value; subtraction Focus on using number lines to facilitate an understanding of place value in 3-digit numbers, and as an efficient method of performing subtraction involving 3-digit numbers.</p>	<p>and subtracting fractions.</p> <p>MMD PRA WMD Multiplication and division Focus on developing understanding and skills in multiplication and division, including using tables facts to solve scaling problems, multiplications using the grid method, and divisions using chunking.</p> <p>MMD WMD Multiplication and division Focus on developing understanding and skills in multiplication and division, including using tables facts to solve scaling problems, multiplications using the grid method, and divisions using chunking.</p>	<p>methods to solve problems.</p> <p>WAS MEA MAS PRA Addition and subtraction Focus on mental and written addition and subtraction, including mental strategies, column addition, subtracting by counting up, and choosing appropriate methods to solve problems.</p> <p>GPS MEA 2D shapes; time Focus on developing understanding and vocabulary of shape and angle, including measuring perimeters; and on telling the time 5, 10, 20 minutes later using am/pm and 24-hour clock.</p> <p>WMD PRA MMD FRP DPE Multiplication and</p>
--	---	---	---	--	---	---

	<p>Puzzle (Find all possibilities)</p>		<p>column methods of addition.</p>	<p>MMD WMD PRA Multiplication and division Focus on developing multiplication strategies using doubling and halving and standard method calculations; division is related to multiplication and this relationship is used to solve missing number problems.</p>	<p>STA PRA MEA Statistics and data; weight Focus on drawing and interpreting pictograms and bar graphs with different scales, and on using these to record and analyse data in the context of measuring weights.</p> <p>MAS WAS PRA Addition and subtraction Focus on mental and written addition and subtraction, including mental strategies, column addition, subtracting by counting up, and choosing appropriate methods to solve problems</p>	<p>division; fractions Focus on consolidating written multiplication and division strategies, securing understanding of the relation between division and fractions, and moving to finding tenths of amounts.</p> <p>MAS WAS PRA WMD MMD Revision Focus on rehearsing and consolidating mental and written calculation skills in addition, subtraction, multiplication and division.</p>
--	---	--	------------------------------------	--	---	--

Year 4	<p>MAS PRA Addition and subtraction mental strategies in addition and subtraction</p> <p>NPV MAS Addition and subtraction mental strategies in addition and subtraction, including the use of a robust understanding of place value.</p> <p>WAS Addition and subtraction written methods of addition.</p> <p>MMD PRA WMD; FRP Multiplication and division learning and using multiplication and division facts</p> <p>WAS Addition and subtraction written</p>	<p>MMD PRA FRP Fractions and decimals; addition Focus on fractions and decimals</p> <p>DPE NPV WAS; MAS Fractions and decimals; addition Focus on fractions and decimals</p> <p>DPE MEA STA PRA Measures; data using SI units in measuring, reading scales and collecting, interpreting and recording data.</p> <p>NPV WAS MAS Subtraction different methods in subtraction</p> <p>MMD WMD PRA Multiplication and</p>	<p>NPV PRA Place value; addition and subtraction mental addition and subtraction.</p> <p>WAS MMD WMD PRA MEA Subtraction; multiplication written calculation methods</p> <p>MMD FRP PRA Division; fractions mental multiplication and division strategies, finding non-unit fractions of amounts, equivalent fractions and simplifying.</p> <p>MMD WMD MAS PRAMental calculation strategies relationship between multiplication and division, and between</p>	<p>DPE NPV PRA WAS Place value place value in decimal numbers and Roman numerals.</p> <p>NPV MAS Addition and subtraction choose appropriate strategies when calculating with decimals or money; written methods</p> <p>NPV WAS MAS Subtraction place value to solve subtraction problems using appropriate methods.</p> <p>WMD PRA MAS WAS Multiplication and division written multiplication and division and extending times table knowledge.</p>	<p>NPV PRA Place value and decimals place value in 4- and 5-digit numbers; decimals</p> <p>MAS DPE Place value and decimals multiplying and dividing by 10 and 100, placing numbers (including negative) on lines, and adding and subtracting powers of 10.</p> <p>MMD PRA NPV; WMD Multiplication and division written multiplication algorithms</p> <p>NPV MEA; GPS Area and perimeter perimeters and areas of shapes.</p> <p>DPE PRA FRP Fractions and</p>	<p>MAS MMD WMD PRA Addition and subtraction; multiplication and division adding and subtracting 2-, 3- and 4- digit numbers; using knowledge of factors, products and doubling to solve multiplication problems mentally.</p> <p>WAS PRA MAS Addition and subtraction addition and subtraction using written column methods.</p> <p>GPD STA Coordinate geometry; statistics and data coordinate grids</p> <p>WMD PRA MMD FRP DPE</p>

	<p>methods of subtraction.</p>	<p>division multiplication and division</p> <p>MEA DPE GPS Time; Length; 2D shapes</p> <p>telling the time and using m, cm and mm in the measurement of lengths.</p>	<p>addition and subtraction</p> <p>GPS PRA 2D shapes properties of 2D shapes</p> <p>Year 4 Buckstones Big Maths Multiplication and division; addition and subtraction PS Race to 200 and Wonderful 1089.</p>	<p>MEA PRA Time; length time-telling and the 24-hour clock, including calculating time intervals.</p> <p>Year 4 Buckstones Big Maths Place Value</p> <p>Roman Numerals Hidden Message investigation</p>	<p>decimals relating decimal fractions to proper fractions and recognising equivalents.</p> <p>MEA DPE Measures; 2D and 3D shapes Properties of 2D and 3D shapes; convert between grams and kilograms.</p>	<p>Multiplication and division; fractions mental and written strategies for multiplication and division</p> <p>MMD PRA WMD FRP Multiplication and division; fractions unit and non-unit fractions and the decimal results of dividing by 10 and 100.</p>
Year 5	<p>NPV WAS; PRA Number and Place Value; Addition and subtraction Focus on establishing a robust understanding of place value and using this in the development of addition and subtraction calculation strategies. Revise Roman Numerals to 100 (C).</p> <p>MAS NPV Addition and subtraction Focus</p>	<p>MMD Multiplication and division Focus on multiplication and division, and extend children's understanding of multiples.</p> <p>MMD WMD PRA Multiplication and division; fractions Focus on multiplication and division, and extend children's understanding of fractions.</p>	<p>NPV Number and Place Value Focus on Roman Numerals and introduce new Numerals up to 1000 (M).</p> <p>MEA Measures Begin to calculate the perimeter of composite rectilinear shapes.</p> <p>GPS PRA Angles Focuses on the concept of angles as</p>	<p>NPV WAS PRA MEA Number and Place Value; Addition and subtraction Focus on mental addition and subtraction of powers of 10; column addition of decimal numbers, and on mental subtraction of decimal numbers.</p> <p>WMD FRP Multiplication and division Focus on the development of written methods for multiplication and</p>	<p>MAS DPE PRA Addition and subtraction Focus on adding and subtracting numbers in the context of money and contextual problems.</p> <p>FRP PRA WMD Fractions; multiplication Focus on multiplying and converting fractions; and on</p>	<p>NPV Addition and subtraction</p> <p>Focus on written methods of addition and subtraction, and choosing efficient strategies to solve problems.</p> <p>MMD PRA FRP Multiplication and division and fractions Focus on factors and multiples; on securing the concept</p>

	<p>on the rehearsal and development of mental calculation strategies for addition and subtraction.</p> <p>DPE FRP PRA MMD Decimals and fractions; multiplication and division Focus on multiplying and dividing to get decimal numbers, and then on mental strategies in multiplication and division.</p> <p>MEA Time; length Focus on calculating time intervals and on measuring lengths in cm and mm.</p> <p>WAS MAS Subtraction Focus on using formal written subtraction and counting up as appropriate, including when finding change</p>	<p>NPV DPE FRP Whole numbers, decimals and fractions Focuses on comparing and ordering whole numbers and decimals, and on equivalence in relation to proper fractions and decimals.</p> <p>MEA Measures Focus on measuring in cm and mm and converting between units of measure.</p> <p>MAS WAS; MMD WMD PRA Revision of the four operations, including calculation strategies and the inverse relation between addition and subtraction, multiplication and division.</p>	<p>degrees of 'turn', and on comparison, identification and measurement of angles.</p> <p>NPV DPE PRA Place value Focus on developing a robust understanding of place value in larger whole numbers and in decimals; this is used to enable children to round any number to the nearest required power of ten.</p> <p>MAS PRA WAS Addition and subtraction Focus on the rehearsal and development of mental calculation strategies for addition and subtraction.</p> <p>MMD NPV PRA Multiplication and division Focus on the rehearsal and development of</p>	<p>division; division is linked to finding fractions of large amounts.</p> <p>WMD Multiplication and division Focus on the development of written methods for multiplication and division; division is linked to finding fractions of large amounts.</p> <p>GPS PRA; MEA 2D shapes; angles; measures Focus on developing understanding of polygons and angles, particularly in relation to quadrilaterals; metric units are then revised and regularly used; imperial units are introduced.</p> <p>FRP PRA Fractions Focus on revising proper fractions and equivalent fractions,</p>	<p>short and long multiplication of whole numbers.</p> <p>DPE PRA NPV Place value and decimals Focus on place value in decimals, including multiplying and dividing by 10 and 100.</p> <p>GPD PRA GPS Coordinate geometry; 2D and 3D shapes Focus on plotting, reflecting and translating shapes on coordinate grids; and on extending understanding of properties of 2D and 3D shapes.</p> <p>WAS PRA Addition and subtraction Focus on written methods of addition and subtraction, and choosing efficient strategies to solve problems.</p>	<p>of equivalent fractions to enable calculations with fractions; and on further developing written methods of multiplication and division.</p> <p>WMD Multiplication and division and fractions Focus on factors and multiples; on securing the concept of equivalent fractions to enable calculations with fractions; and on further developing written methods of multiplication and division.</p> <p>PRA MEA Area and perimeter; volume Focus on calculating areas, perimeters and volumes, and understanding the difference between measurement in one, two and three dimensions.</p>
--	--	---	--	--	---	--

			<p>mental calculation strategies for multiplication and division, and on identifying patterns and rules.</p> <p>PRA GPS MEA STA 2D shapes; measures Focus on exploring the properties of triangles, naming and identifying the different types; and then on SI units of measure, reading scales and conversion problems.</p>	<p>and then moves on to mixed numbers and improper fractions; proper fractions are multiplied by whole numbers.</p> <p>WAS PRA Addition and subtraction Focus on rehearsing column subtraction and extending to larger / more difficult numbers; column addition and subtraction are used to solve problems.</p> <p>Buckstones Big Maths: investigate all possible perimeters and areas of rectangles considering whether the size of the perimeter is always</p>		<p>DPE FRP NPV Fractions, decimals and percentages Focus on understanding percentages and how they relate to fractions and decimals, and solving problems by finding percentages of amounts.</p> <p>NPV STA MEA WMD PRA MMD Revision Focus on revision of: line graphs; calculating time intervals; finding cubes of numbers; using factors to multiply; and solving scaling problems involving fractions and measures.</p> <p>Buckstones Big Maths: Party planning: calculate the cost of a party using a budget. Try to get as close as</p>
--	--	--	--	--	--	---

						possible to the budget.
Year 6	<p>NPV MMD DPE FRP Place value; addition Focus on establishing a robust understanding of place value in relation to whole numbers and decimals, which is then used in written methods and mental strategies in addition.</p> <p>Buckstones Big Maths - Number Sift</p> <p>MAS NPV WAS DPE; PRA Place value; addition Focus on establishing a robust understanding of place value in relation to whole numbers and decimals, which is then used in written methods and mental strategies in addition.</p> <p>PRA MAS Algebra Focus on algebra - developing the use of</p>	<p>NPV PRA FRP Negative numbers; fractions Focus on positive and negative whole numbers, and then comparing, ordering, adding and subtracting fractions, including mixed numbers.</p> <p>NPV PRA FRP Negative numbers; fractions Focus on positive and negative whole numbers, and then comparing, ordering, adding and subtracting fractions, including mixed numbers.</p> <p>MMD FRP WMD PRA Division; fractions and percentages Focus on division and fractions; children rehearse mental</p>	<p>MEA GPS Shape, and measurement in relation to shape Focus on 2D shapes, their properties, areas, and perimeters, and 3D shapes, their nets, volumes and properties.</p> <p>Buckstones Big Maths - Nets of a cube investigation</p> <p>MEA PRA NPV Measures Focuses on measurement in and conversion of SI and imperial units; it also covers the use of 24-hour clock and calculation of time intervals</p> <p>NPV WAS Place value; subtraction</p>	<p>MAS WAS PRA Addition and subtraction Focuses on solving addition and subtraction problems involving money and decimals.</p> <p>STA DPE Statistics and data Focuses on data representation and manipulation, including line graphs, pie charts and the use and calculation of averages.</p> <p>GPD NPV PRA GPSCoordinate geometry; angles Focus on position on a 4-quadrant coordinate grid, with polygons being plotted, translated and reflected; the week concludes with angle theorems.</p>	<p>NPV DPE Revision: place value and decimals Focus on revision of place value in large numbers and in decimal fractions.</p> <p>NPV MAS WAS DPE FRP PRA GPS Revision Focus on revision of: mental and written strategies in addition and subtraction; finding percentages; order of operations; and finding unknowns in equations.</p> <p>MAS FRP WMD MMD PRA NPV Revision: multiplication and division Focus on revision of: written algorithms for</p>	<p>NPV FRP MEA Revision: fractions; ratio Focuses on revision of: equivalence in fractions; and using this to add, subtract, multiply and divide fractions; and solving ratio problems.</p> <p>GPS MEA STA Revision Focuses on revision of: properties of 2D shapes; angle types and theorems; perimeter, area and volume; 24-hour clock time intervals; and tables, graphs and charts.</p>

	<p>trial and improvement methods, knowledge of the order of operations including brackets, and the manipulation of sentences containing unknowns.</p> <p>MAS WAS NPV PRA Subtraction Focus on mental strategies and written methods in subtracting and the appropriate use of both with whole and decimal numbers, including money.</p> <p>MMD WMD MAS; PRA NPV Multiplication Focus on mental strategies and written methods in multiplying; both long and short multiplication are rehearsed, alongside a range of mental tactics.</p>	<p>strategies and short division, giving remainders as fractions; fractions are added, subtracted.</p> <p>FRP PRA DPE Division; fractions and percentages Focus on division and fractions; children rehearse mental strategies and short division, giving remainders as fractions; fractions are added, subtracted.</p> <p>FRP Division; fractions and percentages Focus on division and fractions; children rehearse mental strategies and short division, giving remainders as fractions; fractions are added, subtracted; finding percentages is also covered.</p>	<p>Focus on a robust understanding of place value in large numbers, which underpins the subtraction work that follows.</p> <p>FRP PRA DPE Focus on mental strategies to find simple percentages of amounts, including money.</p> <p>DPE FRP Multiplication of decimals and fractions Focus on understanding decimal and proper fractions and their equivalences; calculations including multiplication of these numbers are rehearsed.</p> <p>GPS PRA 2D shapes; angles Focus on 2D shapes and interior angles; circles are also taught, along</p>	<p>WMD PRA Multiplication and division Focus on the use of written algorithms in multiplying and dividing large numbers; both long and short versions of these methods are taught.</p> <p>PRA FRP Algebra; ratio Focus on the use of generalizations and simple formulas, including to find the nth term in a sequence; then moves on to ratio</p> <p>MEA GPS Shape, and measurement in relation to shape Focus on 2D shapes, their properties, areas, and perimeters.</p>	<p>multiplication and division and mental strategies including the use of factors; finding fractions of amounts; and calculating mean average.</p> <p>WMD PRA NPV STA GPD Revision: multiplication and division Focus on revision of: written algorithms for multiplication and division and mental strategies including the use of factors; finding fractions of amounts; and calculating mean average.</p>	
--	--	---	---	--	---	--

		<p>GPS PRA 2D shapes: angles Focus on 2D shapes, particularly quadrilaterals, in relation to their diagonals and interior angles.</p>	<p>with relevant terminology.</p> <p>MAS NPV WAS PRA Addition and subtraction Focus on mental and written addition and subtraction methods, including solving word problems.</p> <p>WMD NPV PRA Multiplication and division Focus on number patterns involving factors and multiples, and on long division</p>			
--	--	--	--	--	--	--