



Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
N	<p>Selects a small number of objects from a group when asked e.g. gives me one/two.</p> <p>-recites some numbers in sequence.</p> <p>-uses some language of "more" or "lot"</p> <p>-notices shapes in and patterns in pictures.</p> <p>Count up 5.</p>	<p>Begins to make comparisons between quantities.</p> <p>-Knows that some things change when things are added or taken away.</p> <p>-understands talk about immediate past and future e.g "before" later"</p> <p>-can recite numbers 1-10.</p> <p>Looking at 2D shapes Circle /Square</p>	<p>Beginning to use language of size.-</p> <p>Beginning to categorise objects according to size.</p> <p>Identify how many items are in a set.</p> <p>-looking at numerals in the environment.</p> <p>-looking at similarities of shapes in environments.</p> <p>Looking at 2d shapes square/rectangle.</p>	<p>Working on counting in different ways e.g. clapping, jumping anything can be counted.</p> <p>Matching numerals and quantity.</p> <p>Look at mathematical language big/small/tall.</p> <p>-Use shapes in a appropriately in task.</p>	<p>Counting objects up to ten.</p> <p>Work on small number problems.</p> <p>-Able to create a model which is tall using appropriate shapes.</p> <p>-number recognition 1-10 extend where needed.</p> <p>-compare to groups of objects able to identify which has more/less.</p>	<p>Introduce positional language e.g. "next to " "on top of"</p> <p>-</p> <p>Estimates how many items in a group.</p> <p>-look at measuring who is the biggest /smallest</p> <p>Look at 2d shapes</p>



R	<ul style="list-style-type: none"> <li>-Recognising numerals to 5.</li> <li>-Counting to 10</li> <li>-Comparing two groups of objects.</li> <li>-To use language of 'more' and 'fewer'.</li> <li>-Representing numbers</li> <li>-Positional language</li> <li>-Names of 2D shapes.</li> <li>-To select a particular named shape.</li> <li>-Comparing the length and height of 2 or 3 objects.</li> </ul>	<ul style="list-style-type: none"> <li>-To match numeral and quantity to 10.</li> <li>- Find one more and one less than a group of up to 10 objects.</li> <li>-To count an irregular arrangement of up to 10 objects.</li> <li>-To begin to use mathematical terms to describe 2D shapes.</li> <li>-To order and sequence familiar events.</li> <li>To order two or three items by weight and capacity.</li> </ul>	<ul style="list-style-type: none"> <li>-To select the correct numeral to represent 1 to 10 objects.</li> <li>-To find the total of two groups.</li> <li>-To begin to use vocabulary around addition.</li> <li>-To begin to count beyond 10.</li> <li>-To begin to name 3D shapes.</li> <li>-To use common shapes to build models.</li> <li>-To begin to use everyday language related to money.</li> <li>-To estimate how many objects they see and check by counting.</li> </ul>	<ul style="list-style-type: none"> <li>-To use vocabulary involved in addition and subtraction.</li> <li>-To count up to 20 objects.</li> <li>-To find one more and one less.</li> <li>- To name 3D shapes.</li> <li>-Describing 3D shapes.</li> <li>-Everyday language related to time (O'clock).</li> <li>-To measure short periods of time in simple ways.</li> <li>-To recognise, create and describe patterns.</li> </ul>	<ul style="list-style-type: none"> <li>-To begin to solve doubling problems.</li> <li>-To begin to solve halving problems.</li> <li>-To recognise numerals to 20 and place them in order.</li> <li>-To add and subtract one digit numbers.</li> <li>-To explore characteristics of everyday objects.</li> <li>-To use everyday language to talk about size, weight, capacity, position, distance.</li> </ul>	<ul style="list-style-type: none"> <li>-To use time language (half past).</li> <li>-To recognise number bonds to 10.</li> <li>-To say one more and one less than a given number to 20.</li> <li>-To form numbers to 10 correctly.</li> <li>-To estimate.</li> <li>-To count in 10s.</li> <li>-Tens and units</li> <li>-Sharing problems.</li> </ul>
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1	<p>Place value within 10          Sorting and counting objects          Counting forwards and backwards          One more, one less          Comparing numbers, introducing &lt; &gt; and = signs          Ordering objects and numbers          Ordinal numbers          Part whole model          Addition symbol          Fact families</p>	<p>Number bonds to 10          Comparing number bonds          Adding together          Addition using number bonds          Subtraction, taking away by crossing out          Introduce the subtraction symbol          Subtraction – find a part and breaking apart, subtraction – counting back, comparing addition and subtraction statements          Geometry and shapes, property          Geometry and shapes, property of 2D and 3D shapes          Place value within 20, comparing and order numbers to 20</p>	<p>Addition and subtraction within 20          Adding 10, subtraction 10,          Subtraction crossing 10s          Place value within 50, tens and ones, ordering and comparing numbers within 50,          counting in 2s, counting in 5s</p>	<p>Measurement, comparing lengths, comparing heights, measuring in non-standard units, introducing the ruler and measuring in standard units, adding and subtracting lengths          Weight and volume, measuring mass, comparing mass, measuring capacity, comparing capacity</p>	<p>Multiplication and division, counting in 2s, counting in 5s, counting in 10s, making equal groups, adding equal groups, making arrays, making equal groups – grouping and sharing          Fractions, making half, finding half, making a quarter, finding a quarter          Geometry and position, describing turns, describing position</p>	<p>Place value, numbers to 100, counting forwards and backwards within 100, introducing the 100 square, partitioning numbers, ordering and comparing numbers          Money, recognising coins, counting in coins          Time, before and after, on the hour, on the half hour, writing time, comparing time</p>
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2	Place value, counting forwards and backwards within 20 and 50, tens and ones, reading and writing numbers to 100, using a place value chart, comparing objects and numbers, counting in 2s, 5s, 10s and 3s Addition and subtraction, number bonds to 20, bonds to 100 using related facts, ten more ten less, add and subtract tens	Addition and subtraction (cont.) subtract a 1 digit number from a 2 digit number, adding two 2 digit numbers, not crossing and crossing the tens, subtract a 1 digit number from a 2 digit number not crossing and crossing the tens, adding three 1 digit numbers Money, recognising coins and notes, making the same amount, comparing money, finding totals and change	Multiplication and division, make equal groups, making arrays, multiplication using x symbol, making doubles, 2, 5, and 10 times table, making equal groups – sharing and grouping, divide by 2, 5 and 10 Statistics, making tally charts, drawing and interpreting pictograms, block diagrams	Properties of shapes, recognise, draw and make 2D and 3D shapes, count vertices and sides on 2D shapes, make patterns with shapes, lines of symmetry, count vertices, faces and edges on 3D shapes, sort 3D shapes	Length and height, compare and order length and height, measure length and height Position and direction, describing position, describing movement and turns	Time, o'clock and half past, quarter past and quarter to, time to 5 minutes, writing time, hours and days, finding and comparing intervals of time Mass, capacity and temperature, measuring mass in grams and kilograms, measuring capacity in millilitres and litres, comparing mass and capacity, temperature
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3	<p>Place Value – Numbers to one thousand, Hundreds, tens and ones, Number line to 100 and 1000, Find 1, 10 and 100 more or less, Comparing objects and numbers, Count in 50s Addition and subtraction – adding and subtracting multiples of 100, adding and subtracting a 1 digit number or a 2 digit number to a 3 digit number crossing tens, adding and subtraction 100s, spot the pattern</p>	<p>Multiplication and Division – multiplication with equal groups, using the x symbol, recap the 2, 5 and 10 times table, Recap division by sharing and grouping, Recap dividing by 2, 5 and 10, Multiply and divide by 3, multiply and divide by 4, multiply and divide by 8</p>	<p>Multiplication and Division – consolidate the 2, 4 and 8 times tables, comparing and related calculations, multiply a 2 digit number by a 1 digit number, dividing a 2 digit number by a 1 digit number, dividing 1000 by 2, 4, 5 and 10 equal parts, dividing with remainders, scaling Money - converting pounds and pence, adding and subtracting money, finding change Statistics – recap tally charts and pictograms, drawing bar charts, tables</p>	<p>Length and perimeter – equivalent lengths (mm, cm and m), comparing, adding and subtracting lengths, measure and calculate perimeter Fractions – recap quarters, thirds, equivalence of half and two quarters, counting in fractions</p>	<p>Fractions – tenths, tenths as decimals, fractions of a set of objects, equivalent fractions, comparing and ordering fractions, adding fractions Measurement (Time) – Recap o'clock, half past, quarter to and quarter past, months and years, hours in a day, telling time to the minute, using am and pm, 24 hour clock</p>	<p>Geometry (Properties of shapes) – turns and angles, right angles in shapes, comparing angles, horizontal and vertical, parallel and perpendicular, recognising and describing 2D and 3D shapes Mass and capacity – measure and compare mass, add and subtract mass, measure and compare capacity, add and subtract capacity, temperature</p>
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4	<p>Place Value – numbers to 1000, rounding to nearest 10 and 100, counting in 1000s, partitioning, 1s, 10s, 100s and 1000s, comparing and ordering 4 digit numbers, counting in 25s, negative numbers, roman numerals</p> <p>Addition and subtraction – adding two 3 digit numbers, adding two 4 digit numbers, subtracting 3 digit number from another 3 digit number, subtracting a 4 digit number from another 4 digit number with more than one exchange,</p>	<p>Length and perimeter – equivalent lengths, kilometres, perimeter on a grid, perimeter of a rectangle, perimeter of rectilinear shapes</p> <p>Multiplication and Division – multiplying and dividing by 10 and 100, multiplying by 1 and 0, multiplying and dividing by 3, multiplying and dividing by 6, multiplying and dividing by 9, multiplying and dividing by 7</p>	<p>Multiplication and Division – 11 and 12 times tables, multiplying 3 numbers, factor pairs, efficient multiplication, written methods, dividing 2 digits by 1 digit, dividing 3 digits by 1 digit</p> <p>Area – what is area? Counting squares, making shapes, comparing area</p>	<p>Fractions – recap tenths, equivalent fractions, fractions greater than 1, counting in fractions, adding and subtraction fractions, subtracting from wholes, fractions of a set, calculating fractions of a quantity</p> <p>Decimals – tenths as decimals, tenths on a place value grid, tenths on a number line, dividing 1 digit by 10, dividing 2 digits by 10, hundredths as decimals, dividing 1 or 2 digits by 10</p>	<p>Decimals – making a whole, writing decimals, comparing and ordering decimals, rounding decimals, halves and quarters</p> <p>Money – pounds and pence, ordering and comparing money, estimating money, 4 operations with money</p> <p>Time – recap telling time to minute, recap using am and pm, recap 24 hour clock, hours, minutes and seconds, years, months, weeks and days, analogue to digital 12 and 24 hour</p>	<p>Statistics – interpreting charts, comparison, sum and difference, line graphs</p> <p>Properties of shapes – recap angles, identifying angles, comparing and ordering angles, triangles, quadrilaterals, symmetry, completing a symmetrical figure</p>
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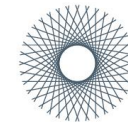
	efficient subtractions, estimating answers					
5	Place Value – recap 1000s, 100s, 10s, 1s, 10,000s, rounding to 10, 100 and 1000, numbers to 100,000, comparing and ordering numbers to 100,000, numbers to one million, negative numbers, roman numerals Addition and subtraction – adding and subtracting whole numbers with 4 or more numbers with exchanging, rounding to estimate and approximate, inverse operations,	Multiplication and division – multiples, factors, common factors, prime numbers, square numbers, cube numbers, multiplying and dividing by 10, 100 and 1000, multiples of 10, 100 and 1000 Perimeter and area – measure and calculate perimeter, area of compound shapes, area of irregular shapes	Multiplication and division – multiplying 4 digit number by a 1 digit number, multiplying 2 digits by 2 digits, multiplying 3 digits by 2 digits, multiplying 4 digits by 2 digits, dividing 2, 3 and 4 digits by 1 digit, dividing with remainders Fractions – fractions greater than 1, improper fractions to mixed numbers, mixed numbers to improper fractions, compare and order fractions less than 1, compare and order fractions greater than 1,	Decimals and percentages – decimals to 2dp, decimals as fractions, thousandths, thousandths as decimals, rounding decimals, ordering and comparing decimals, understanding percentages, percentages as fractions and decimals	Decimals – adding and subtraction decimals within 1, complements to 1, adding decimals crossing 1, adding and subtracting decimals with the same number of decimal places, adding and subtracting decimals with different number of decimal places, adding and subtracting wholes and decimals, decimal sequences, multiplying and dividing decimals by 10, 100 and 1000	Position and direction – drawing on a grip, position in the first quadrant, translation, translation with coordinates, reflection, reflection with coordinates Converting units – kilograms and kilometres, millimetres and millilitres, metric units, imperial units, converting units of time, timetables





	<p>multistep addition and subtraction problems</p> <p>Statistics – reading and interpreting line graphs, using line graphs to solve problems, reading and interpreting tables, timetables</p>		<p>adding and subtraction fractions, adding and subtracting mixed numbers, subtraction – breaking the whole, multiply mixed numbers by integers, fractions as operators</p>		<p>Properties of shape – measuring angles in degrees, measuring with a protractor, drawing lines and angles accurately, calculating angles on a straight line, calculating angles around a point, regular and irregular polygons, reasoning about 3D shapes</p>	
6		<p>Place Value – numbers to 10 million, comparing and ordering any numbers, rounding any number, negative numbers</p> <p>Addition, subtraction, multiplication and division – adding and subtracting any number including multi step problems, multiplying 2, 3 and 4 digit numbers by 2 and 3 digits, short division, long division, factors, common factors, common multiples, prime numbers to 100, order of</p>	<p>Decimals – three decimal places, multiply and divide by 10, 100, 1000, multiplying and dividing decimals by integers, division to solve problems, decimals as fractions, fractions to decimals</p> <p>Percentages – fractions to percentages, equivalent FDP, ordering FDP, percentage of amounts, percentages of missing amounts</p> <p>Algebra – Finding a rule 1 and 2 steps, forming expressions,</p>		<p>Statistics – reading, interpreting and drawing line graphs, circles, read and interpret pie charts, pie charts with percentages, drawing pie charts, the mean</p>	





	<p>operations, mental calculations and reasoning, reasoning from known facts</p> <p>Fractions – simplifying fractions, fractions on a number line, comparing and ordering denominator and numerator, adding and subtracting fractions when denominators are not multiples, adding and subtraction fractions</p> <p>Position and direction – the first quadrant, four quadrants, translations, reflections</p>	<p>substitution, formulae, forming equations, solving 1 step and 2 step equations, finding pairs of values</p> <p>Converting units – metric measures, converting metric measures, calculating with metric measures, miles and kilometres, imperial measures</p> <p>Perimeter, area and volume – area and perimeter, area of a triangle, area of a parallelogram, volume and counting cubes, volume of a cuboid</p> <p>Ratio – use ration language, ratio and fractions, calculating ratio, using and calculating scale factors</p>	
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