

	Autumn One	Autumn Two	Spring One	Spring Two	Summer One	Summer Two
F2	<p><i>Just like me!</i> -match and sort, compare amounts -compare size, mass & capacity, exploring pattern</p> <p><i>It's me 1,2,3!</i> -representing, comparing, composition 1,2,3 -circles and triangles, positional language</p> <p><u>Place value (to 2)</u> Matching and sorting amounts Comparing amounts Representing Counting forwards and backwards More/less Odd and even</p> <p><u>Addition and Subtraction</u></p>	<p><i>It's me 1,2,3!</i> -representing, comparing, composition 1,2,3</p> <p><i>Light and dark</i> -representing numbers to 5, one more or less -shapes with 4 sides, time</p> <p><u>Place value (to 5)</u> Comparing amounts Representing Counting forwards and backwards Odd and even</p> <p><u>Addition and Subtraction</u> One more/less Composition Problem solving</p> <p><u>Multiplication and division</u></p>	<p><i>Alive in 5</i> -introducing 0, comparing numbers to 5, composition of 4&5 -compare mass, compare capacity</p> <p><i>Growing 6,7,8!</i> -making pairs, combining 2 groups -length & height, time</p> <p><u>Place value (to 7)</u> Comparing amounts Representing Counting forwards and backwards Odd and even</p> <p><u>Addition and Subtraction</u> One more/less Combining 2 groups Composition</p>	<p><i>Growing 6,7,8!</i> -making pairs, combining 2 groups -length & height, time</p> <p><i>Building 9 & 10</i> -comparing numbers to 10, number bonds to 10 -3D shape, pattern</p> <p><u>Place value (to 10)</u> Comparing amounts Representing Counting forwards and backwards Odd and even</p> <p><u>Addition and Subtraction</u> One more/less Combining 2 groups Composition</p>	<p><i>To 20 and beyond</i> -building numbers beyond 10, counting patterns beyond 10 -spatial reasoning, math, rotate, manipulate</p> <p><i>First then, now</i> -adding more, taking away - spatial reasoning, compose and decompose</p> <p><u>Place value (to 20)</u> Comparing amounts Building numbers beyond 10 Counting patterns beyond 10 Deepening understanding, patterns and relationships</p>	<p><i>Find my pattern</i> -doubling, sharing and grouping, even and odd -spatial reasoning, visualise and build</p> <p><i>On the move</i> -deepening understanding, patterns and relationships - spatial reasoning, mapping</p> <p><u>Place value (to 20)</u> Comparing amounts Building numbers beyond 10 Counting patterns beyond 10 Deepening understanding, patterns and relationships</p>

	<p>Composition</p> <p><u>Multiplication and division</u> Doubling and halving</p> <p><u>Shape, space and measures</u> Circles Positional language Compare size, mass and capacity, exploring pattern</p>	<p>Doubling and halving</p> <p><u>Shape, space and measures</u> Triangles Rectangles Squares Pentagons time</p>	<p>Problem solving</p> <p><u>Multiplication and division</u> Doubling and halving</p> <p><u>Shape, space and measures</u> Comparing mass/capacity Length/height hexagons time</p>	<p>Number bonds to 10 Problem solving</p> <p><u>Multiplication and division</u> Doubling and halving</p> <p><u>Shape, space and measures</u> Length/height Time 3D shape Pattern</p>	<p><u>Addition and Subtraction</u> Taking away Adding more</p> <p><u>Shape, space and measures</u> Length/height Spatial reasoning Compose and decompose shapes</p>	<p>Odd and even</p> <p><u>Addition and Subtraction</u> Taking away Adding more</p> <p><u>Multiplication and division</u> Doubling and halving Sharing and grouping</p> <p><u>Shape, space and measures</u> Length/height Spatial reasoning Compose and decompose shapes</p>
Y1	<p><u>Place Value (Within 10)</u> Count and sort objects Represent numbers Recognise numbers and words Count forwards and backwards 1 more, 1 less Compare groups and numbers Fewer, more, same Greater, less, equal</p>	<p><u>Addition and Subtraction (within 10)</u> Addition - add more and add together Subtraction - find a part and take away Fact families 1 more 1 less 2 more 2 less</p> <p><u>Shape</u></p>	<p><u>Place Value (within 20)</u> Count forward and backwards to 20 Tens and Ones 1 more 1 less Compare / order numbers</p> <p><u>Addition and Subtraction (within 20)</u> Add by making 10</p>	<p><u>Place Value (within 50)</u> Compare and order numbers to 50 Count in 2s Count in 5s</p> <p><u>Length and Height</u> Compare and order lengths and heights Measure length Adding and subtracting lengths</p>	<p><u>Multiplication and Division</u> Count in 2s 5s 10s Make equal groups Add equal groups Arrays Doubles Make equal groups (grouping) Make equal groups (sharing)</p> <p><u>Fractions</u> Making half</p>	<p><u>Place Value (within 100)</u> Count forwards and back within 100 Partition, compare and order numbers 1 more 1 less</p> <p><u>Measurement - Money</u> Recognise coins and notes Counting in coins</p>

	<p>Order numbers Number line</p> <p><u>Addition and Subtraction</u> Parts and wholes Part-whole model Number sentences</p>	<p>Recognise name and sort 3D shapes Recognise name and sort 2D shapes Patterns of 2D and 3D shapes</p>	<p>Subtraction not crossing and crossing 10) Related facts Compare number sentences</p> <p><u>Place Value (within 50)</u> Numbers to 50 Counting forwards and back to 50 Tens and ones 1 more 1 less</p>	<p><u>Mass and Volume</u> Measure and compare mass Measure and compare volume/capacity</p>	<p>Making whole Finding half Making quarters Find quarters</p> <p><u>Position and Direction</u> Describing turns and position</p>	<p><u>Time</u> Before and after Time to the hour Time to the half hour Write time Compare time</p>
Y2	<p><u>Place Value</u> Numbers to ten Count in 10s Tens and ones Recognise place value grid Partition and write numbers within 100 Number lines to 100 Estimate using number lines Compare numbers to 100 Order objects and numbers Count in 2s 5s 10s Count in 3s</p> <p><u>Addition and Subtraction</u></p>	<p><u>Addition and Subtraction</u> 10 more 10 less Add and subtract 10s Add and subtract two 2-digit numbers not crossing ten and crossing ten Mixed addition and subtraction Compare calculations Missing number problems</p> <p><u>Shape</u> Recognise and make 2D and 3D shapes</p>	<p><u>Measurement- Money</u> Count pence Count pounds Count notes and coins Make amounts Compare amounts Find the total/difference Find change Two-step problems</p> <p><u>Multiplication and Division</u> Recognise and make equal groups Add equal groups Use the x sign Multiplication number sentences</p>	<p><u>Length and Height</u> Measure compare and order lengths Four operations with lengths</p> <p><u>Mass, Capacity and Temperature</u> Measure and compare mass and volume Ml / l Four operations with mass/volume Reading temperature / reading scales</p>	<p><u>Fractions</u> Parts and wholes Making equal parts Finding half Recognise and find quarters and thirds Unit and non-unit fractions Equivalence of two quarters and a half Find three quarters Count in fractions</p> <p><u>Time</u> O'clock / half past Quarter past/to Tell the time to 5mins Write time Hours/days</p>	<p><u>Statistics</u> Tally charts Pictograms Block diagrams</p> <p><u>Position and Direction</u> Describe position, movement and turns Make patterns with shapes</p>

	<p>Bonds to 10 Fact families and bonds to 20 Bonds to 100 Add by making 10 Add three 1-digit numbers Add and subtract to next ten and across ten</p>	<p>Count sides and vertices on 2D shapes Draw 2D shapes Lines of symmetry Sort and make patterns with 2D shapes Count faces and edges on 3D shapes Sort and make patterns with 3D shapes</p>	<p>Use arrays Doubling Make equal groups (sharing/grouping) Odd even numbers Divide by 2 5 10</p>		<p>Durations</p>	
Y3	<p><u>Place Value</u> Represent and partition numbers within 100 Number lines within 100 Represent and partition numbers to 1000 Number lines within 1000 One, ten, hundred more/less Estimate, compare and order numbers within 1000 Count in 50s</p> <p><u>Addition and Subtraction</u> Apply number bonds Add and subtract 1s 10s 100s</p>	<p><u>Multiplication and Division</u> Multiplication, equal groups Use arrays Multiples of 2 Multiples of 5 and 10 Sharing and grouping 3 times table, multiply and divide by 3 4 times table, multiply and divide by 4 8 times table, multiply and divide by 8 Multiply 2-digit by 1-digit no exchange and exchange</p>	<p><u>Length and Perimeter</u> Measure length Compare lengths Equivalent lengths (mm/cm/m) Add and subtract lengths Measure perimeter Calculate perimeter</p> <p><u>Money</u> Pounds/pence Convert pounds pence Add and subtract money Give change</p> <p><u>Fractions</u> Recap half quarter thirds</p>	<p><u>Fractions</u> Making a whole Finding tenths Fractions on a number line Making fractions of amounts of objects Equivalent fractions Compare and order fractions Add and subtract fractions</p>	<p><u>Time</u> Months/years Hours in a day Tell the time to the minute Use am and pm 24-hour clock Durations Start and end times Measuring time in seconds</p> <p><u>Mass and Capacity</u> Measure and compare mass Add and subtract mass Measure capacity/volume</p>	<p><u>Shape</u> Turns/angles Right angles Compare angles Horizontal/vertical Parallel/ Perpendicular Recognise and name 2D and 3D shapes</p> <p><u>Statistics</u> Pictograms Bar Charts Tables</p>

	<p>Add and subtract 2-digit numbers not crossing and crossing tens</p> <p>Add 2 and 3-digit numbers</p> <p>Subtract 2-digit from 3-digit</p> <p>Complements to 100</p> <p>Estimate answers</p> <p>Inverse operations</p>	<p>Divide 2-digit by 1-digit</p> <p>Scaling</p> <p>Shape</p> <p>RECAP</p> <p>2D and 3D shape names and properties</p> <p>Lines of symmetry</p>	<p>Unit and non-unit fractions</p> <p>Count in fractions</p>		<p>Compare capacity</p> <p>Add and subtract capacity</p> <p>Compare temperature</p>	
Y4	<p>Place Value</p> <p>Numbers to 10,000</p> <p>Partitioning</p> <p>Number lines</p> <p>Comparing and ordering</p> <p>Rounding</p> <p>Addition and Subtraction</p> <p>Add/subtract 1, 10, 100</p> <p>Add/subtract 4-digit numbers no exchanging to exchanging</p> <p>Estimating and checking answers</p>	<p>Area</p> <p>Calculate by counting squares</p> <p>Compare area of shapes</p> <p>RECAP</p> <p>Recognise and name 2D and 3D shapes</p> <p>Multiplication and Division</p> <p>Multiples</p> <p>Times Tables</p> <p>Multiplying and dividing by individual tables</p> <p>Multiplying and dividing by 1 or 0</p>	<p>Multiplication and Division</p> <p>Multiply by 10 100</p> <p>11 12 times table</p> <p>Multiply 3 numbers</p> <p>Factor pairs</p> <p>Written methods</p> <p>Multiply 2 and 3-digit by 1-digit</p> <p>Divide 2 and 3-digit by 1-digit</p> <p>Length and Perimeter</p> <p>Kilometres</p> <p>Perimeter of rectangles and rectilinear shapes</p> <p>Fractions</p> <p>Equivalent fractions</p> <p>Fractions greater than 1</p>	<p>Fractions</p> <p>Add and subtract fractions</p> <p>Fractions of amounts</p> <p>Decimals</p> <p>Tenths and hundredths</p> <p>Tenths on place value grid and number line</p> <p>Divide by 10</p> <p>Hundredths on place value grid and number lines</p> <p>Divide by 100</p>	<p>Decimals</p> <p>Make a whole</p> <p>Write decimals</p> <p>Compare order and round decimals</p> <p>Halve and quarters</p> <p>Money</p> <p>Pounds and pence</p> <p>Order and estimate amounts</p> <p>Calculate with money</p> <p>Time</p> <p>Hours minutes seconds</p> <p>Days months years</p> <p>Analogue to digital 12 and 24-hour</p>	<p>Shape</p> <p>Identify compare and order angles</p> <p>Triangles</p> <p>Quadrilaterals</p> <p>Lines of symmetry and complete symmetrical patterns</p> <p>Statistics</p> <p>Interpret charts</p> <p>Comparison sum and difference</p> <p>Line graphs</p> <p>Position and Direction</p> <p>Describe position and movement on a grid</p>

			Count in fractions			
Y5	<p><u>Place Value and Number Sense</u> 5,6,7,8-digit numbers</p> <ul style="list-style-type: none"> - Reading and writing - Counting in multiples of 10/100/1000 from various starting points - Identifying value of digits - Placing on number line - Partitioning - Manipulating value of digits within numbers - Ordering - Rounding to various degrees - Decimals to 2dp <p>Roman numerals</p> <p><u>Decimals</u> Decimal sequences</p> <p><u>Addition and Subtraction</u> Add whole numbers with more than</p>	<p><u>Multiplication and Division</u> Multiplying and dividing by 10, 100, 1000 (Link to place value)</p> <p>Multiplying and dividing by multiples of 10, 100, 1000 using known facts</p> <p><u>Fractions</u> <i>Recap properties of 2D shape (see MTP)</i> Find fractions equivalent to a unit fraction Find fractions equivalent to a non-unit fraction Recognise equivalent fractions Convert improper fractions to mixed numbers Convert mixed numbers to improper fractions Compare fractions less than one</p>	<p><u>Multiplication and Division</u> Mental strategies Written methods Inverse operations</p> <p><u>Fractions</u> Multiply fractions Find fractions of amounts Use fractions as operators</p> <p><u>Decimals and Percentages</u> Decimals as fractions Thousandths Rounding decimals</p>	<p><u>Decimals and Percentages</u> Compare and order decimals Understand percentages Equivalent FDP</p> <p><u>Shape</u> <i>RECAP</i> <i>2D and 3D shape properties</i> Measuring and drawing angles Triangles Quadrilaterals Regular/irregular</p> <p><u>Area and Perimeter</u> Measure and calculate perimeter Calculate area of rectangles, compound shapes, irregular shapes</p>	<p><u>Statistics</u> Reading charts Reading line graphs Understand two-way tables and timetables</p> <p><u>Position and Direction</u> Coordinates Translation Reflection</p>	<p><u>Negative Numbers</u> Number lines Calculating with negative numbers</p> <p><u>Converting Units</u> Km, m, cm, mm Kg, g Units of time Imperial units</p> <p><u>Volume</u> Calculate volume Estimate volume and capacity</p>

	<p>four digits and decimals Subtract whole numbers with more than four digits and decimals Round to check answers Inverse operations (addition and subtraction) Multi-step addition and subtraction problems Compare calculations</p> <p>Find missing numbers</p> <p>Multiplication and Division Multiples Common multiples Factors Common Factors</p>	<p>Order fractions less than one Compare and order fractions greater than one Add and subtract fractions with the same denominator Add fractions within one Add fractions with a total greater than one Add to a mixed number Add two mixed numbers Subtract fractions Subtract from a mixed number Subtract from a mixed number - breaking the whole</p>				
Y6	<p>Number and Place Value Read, write, order and compare numbers upto 10,000,000 and understand the</p>	<p>Fractions Equivalent fractions Use common factors to simplify fractions; use common multiples to express fractions: -Simplify fractions</p>	<p>Decimals, Identify the value of each digit upto 3 decimal places and multiply numbers by 10, 100, 1000, giving</p>	<p>Measurement (Converting measures) Solving problems including the calculation and conversion of units of measure:</p>	<p>Geometry (Position and Direction) Describe positions on the full coordinate grid -First quadrant -Four quadrants</p>	Y7 Preparation and Revision

	<p>values of each digit.</p> <p>Use negative numbers in context and calculate numbers across zero</p> <p>Solve number and practical problems that include all of the above</p> <p>recap roman numerals</p> <p>Addition, Subtraction, Multiplication, Division</p> <p>Add and subtract whole numbers Multiply upto 4 digit number by 1 or 2 digit Short division Division using factors Long division Common factors Common multiples Prime numbers Square numbers Cube numbers Reason from known facts</p>	<p>-Improper to mixed fractions -Add mixed numbers -Subtract mixed numbers Generate and describe linear number sequences: -Fractions on a number line Compare and order fractions >!: -Compare and order fractions Add and subtract fractions with different denominators including mixed numbers: -Add and subtract fractions</p> <p>Multiply simple pairs of proper fractions: -Multiply fractions by integers -Multiply fractions by fractions Divide proper fractions by whole numbers: -Divide fraction by integer</p>	<p>answers to 3 decimal places -multiply by 10, 100, 1000 -divide by 10, 100, 1000 Multiply decimals by integers Divide decimals by integers</p> <p>Percentages Solve problems including the calculations of percentages and use the percentage for comparison: -percentage of an amount -percentage missing values</p> <p>Recall and use equivalences between fractions decimals and percentages including in different contexts: -fractions to percentages -equivalent FDP -order FDP</p>	<p>-metric measures -convert metric measures -calculate metric measures</p> <p>Convert between miles and kilometres:</p> <p>Measurement (Area, perimeter, volume) Recognise that shapes with the same area may have different perimeters Calculate areas of triangles and parallelograms Calculate, estimate and compare volume: -counting cubes -calculating volume</p> <p>Ratio Solve problems including relative sizes of two quantities: -use ratio language -ratio and fractions</p>	<p>-Draw and translate simple shapes on the coordinate plane and reflect them in axes: -Translation -Reflection Prime numbers Square numbers Cube numbers</p> <p>Geometry (Properties of Shapes) Draw 2D shapes Compare and classify 2D shapes: -angles in polygons -angles in quadrilaterals -angles in triangles</p> <p>Recognising angles where they meet at a point, on a straight line or vertically opposite: -measure and draw angles -calculate missing angles</p> <p>Statistics RECAP properties of 2D shapes</p>	
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		<p>Recall and use equivalences between fractions, decimals and percentages, including different contexts:</p> <ul style="list-style-type: none"> -Fraction of an amount -Fraction of an amount - find the whole 	<p>Algebra</p> <p>Use simple formulae:</p> <ul style="list-style-type: none"> -formulae -forming equations <p>Generate and describe linear number sequences:</p> <ul style="list-style-type: none"> -Find a rule <p>Express missing number problems algebraically:</p> <ul style="list-style-type: none"> -forming expressions <p>Find pairs of numbers that satisfy an equation</p> <p>Enumerate possibilities of combinations of two variables</p>	<ul style="list-style-type: none"> -use ratio symbols <p>Ratio and proportion problems</p> <p>RECAP compare and classify 2D shapes</p> <p>Solve problems including scale factors of similar shapes:</p> <ul style="list-style-type: none"> -using scale factor -calculating scale factors 	<p>Illustrate and name parts of circles</p> <p>Interpret and discuss line graphs and pie charts:</p> <ul style="list-style-type: none"> -draw line graphs -solve line graph problems -draw pie charts -solve pie chart problems including percentages <p>Calculate the mean</p>	
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