

Year	Autumn	Spring	Summer
<h1>1</h1>	<p>Place Value (within 10) Sort objects Count objects Represent objects Count, read and write forwards from any number 0 to 10 Count, read and write backwards from any number 0 to 10 Count one more Count one less One-to-one correspondence to start to compare groups Compare groups using language such as equal, more/greater, less/fewer Introduce <, > and = symbols Compare numbers Order groups of objects Order numbers Ordinal numbers (1st, 2nd, 3rd ...) The number line</p> <p>Addition and Subtraction (Within 10) Part-whole model Addition symbol Fact families – addition facts Find number bonds for numbers within 10 Systematic methods for number bonds within 10 Number bonds to 10 Compare number bonds Addition – adding together Addition – adding more Finding a part Subtraction – taking away, how many left? Crossing out</p>	<p>Addition and Subtraction (within 20) Add by counting on Find & make number bonds Add by making 10 Subtraction - not crossing 10 Subtraction - crossing 10 Related facts Compare number sentences</p> <p>Place Value (within 50) Numbers to 50 Tens and ones Represent Numbers to 50 One more or one less Compare numbers within 50 Count in 2s Count in 5s</p> <p>Measurement Length and Height Compare Lengths and Heights Measure Length</p> <p>Measurement Weight and Volume Introduce Weight and Mass Measure Mass Compare Mass Introduce Capacity and Volume Measure Capacity Compare Capacity</p>	<p>Multiplication and Division Count in 2s Count in 5s Count in 10s Make equal groups Add equal groups Make arrays Make doubles Make equal groups – grouping Make equal groups – sharing</p> <p>Fractions Find a half Find a quarter</p> <p>Position and Direction Describe turns Describe position</p> <p>Place Value (within 100) Counting forwards and backwards within 100 Partitioning numbers Comparing numbers Ordering numbers One more, one less</p> <p>Money Recognising coins Recognising notes Counting in coins</p>

	<p>Introducing the subtraction symbol Subtraction – finding a part, breaking apart Fact families – the 8 facts Subtraction – counting back</p> <p>Addition and Subtraction (within 10) Part-whole model Addition symbol Fact families – addition facts Find number bonds for numbers within 10 Systematic methods for number bonds within 10 Number bonds to 10 Compare number bonds Addition – adding together Addition – adding more Finding a part Subtraction – taking away, how many left? Crossing out Introducing the subtraction symbol Subtraction – finding a part, breaking apart Fact families – the 8 facts Subtraction – counting back</p> <p>Shape Recognise and name 3-D shapes Sort 3-D shapes Recognise and name 2-D shapes Sort 2-D shapes Patterns with 3-D and 2-D shapes</p> <p>Place Value (within 20)</p>		<p>Time Before and after Dates Time to the hour Time to the half hour Writing time Comparing time</p>
--	---	--	---

	<p>Count forwards and backwards and write numbers to 20 in numerals and words</p> <p>Numbers from 11 to 20</p> <p>Tens and ones</p> <p>Count one more and one less</p> <p>Compare groups of objects</p> <p>Compare numbers</p> <p>Order groups of objects</p> <p>Order numbers</p>		
--	--	--	--

2

	<p>Place Value Numbers to 20 Count objects to 100 by making 10s Recognise tens and ones Use a place value chart Partition numbers to 100 Write numbers to 100 in words Flexibly partition numbers to 100 Write numbers to 100 in expanded form 10s on the number line to 100 10s and 1s on the number line to 100 Estimate numbers on a number line Compare objects Compare numbers Order objects and numbers Count in 2s, 5s and 10s Count in 3s</p> <p>Addition and Subtraction Bonds to 10 Fact families - addition and subtraction bonds within 20 Related facts Bonds to 100 (tens) Add and subtract 1s Add by making 10 Add three 1-digit numbers Add to the next 10 Add across a 10 Subtract across 10 Subtract from a 10 Subtract a 1-digit number from a 2-digit number (across a 10) 3 10 more, 10 less Add and subtract 10s</p>	<p>Multiplication and Division Recognise Equal Groups Make Equal Groups Add Equal Groups Multiplication sentences using the x symbol Make Doubles 2, 5, 10 times table Divide by 2, 5, 10</p> <p>Statistics Make Tally Charts Draw Pictograms Interpret Pictograms Block Diagrams</p> <p>Properties of Shape Recognise 2D and 3D shapes Count Sides and Vertices on 2D shapes Count Edges faces and Vertices on 3D shapes Lines of Symmetry Sort 2D and 3D shapes Make patterns with 2D and 3D shapes</p> <p>Fractions Make Equal Parts Recognise and find a half, third and a quarter. Unit Fractions Non-unit fractions Find $\frac{3}{4}$ Count in fractions Simple Equivalences</p>	<p>Length and Height Compare Lengths and Heights Measure Lengths in cm and m Order lengths Solve problems involving lengths</p> <p>Position and Direction Describe Position Describe Movement Describe Turns Make patterns with shapes</p> <p>Time Telling time to the nearest 5 minutes Reading and writing times in different formats Finding durations Comparing durations</p> <p>Mass Capacity and Temperature Introduce Mass and Weight Measure and compare mass in g and kg Introduce Capacity and Volume Measure and compare capacity and volume using ml and l Introduce temperature.</p>
--	--	--	--

	<p>Add two 2-digit numbers (not across a 10) Add two 2-digit numbers (across a 10) Subtract two 2-digit numbers (not across a 10) Subtract two 2-digit numbers (across a 10) Mixed addition and subtraction Compare number sentences Missing number problems</p> <p>Addition and Subtraction Bonds to 10 Fact families - addition and subtraction bonds within 20 Related facts Bonds to 100 (tens) Add and subtract 1s Add by making 10 Add three 1-digit numbers Add to the next 10 Add across a 10 Subtract across 10 Subtract from a 10 Subtract a 1-digit number from a 2-digit number (across a 10) 3 10 more, 10 less Add and subtract 10s Add two 2-digit numbers (not across a 10) Add two 2-digit numbers (across a 10) Subtract two 2-digit numbers (not across a 10) Subtract two 2-digit numbers (across a 10) Mixed addition and subtraction</p>		
--	---	--	--

	<p>Compare number sentences Missing number problems</p> <p>Shape Recognise 2-D and 3-D shapes Count sides on 2-D shapes Count vertices on 2-D shapes Draw 2-D shapes Lines of symmetry on shapes Use lines of symmetry to complete shapes Sort 2-D shapes Count faces on 3-D shapes Count edges on 3-D shapes Count vertices on 3-D shapes Sort 3-D shapes Make patterns with 2-D and 3-D shapes</p>		
--	---	--	--

3

	<p>Place Value Represent numbers to 1000 Partition numbers to 1000 Number line to 1000 Represent numbers to 1,000 Find 1, 10 or 100 more or less Estimate on a number line to 1000 Compare numbers to 1000 Order numbers to 1,000 Count in 50s</p> <p>Addition and Subtraction Apply number bonds within 10 Add and subtract 1s, 10s, 100s Add 1s across a 10 Add 10s across a 100 Subtract 1s across a 10 Subtract 10s across a 100 Add two numbers (no exchange) Subtract two numbers (no exchange) Add two numbers (across a 10, 100) Subtract two numbers (across a 10, 100) Add 2-digit and 3-digit numbers Subtract a 2-digit number from a 3-digit number Complements to 100 Estimate answers Inverse operations</p> <p>Addition and Subtraction Apply number bonds within 10 Add and subtract 1s, 10s, 100s Add 1s across a 10 Add 10s across a 100 Subtract 1s across a 10</p>	<p>Multiplication and Division Use arrays to multiply Multiples of 2, 5, 10 Multiply and Divide by 3, 4, 8 Know 2,4,8 times-tables.</p> <p>Length and Perimeter Convert between mm, cm, m Compare lengths in mm, cm and m Measure lengths Add and Subtract lengths Measure Perimeter Calculate Perimeter</p> <p>Fractions Recognise unit and non-unit fractions Recognise fractions that make a whole Place fractions on a number line Compare and order fractions Begin to identify simple equivalent fractions Find unit fractions of an amount Add and subtract fractions with the same denominator.</p> <p>Mass and Capacity Measure mass using standard units Compare mass Add and subtract mass Measure capacity using standard units Compare capacity Add and subtract capacity</p>	<p>Decimals (Money) Add money Subtract money Give change Convert pounds to pence and vice versa</p> <p>Time Know how many hours in a day and months in a year and convert. Recognise a.m., p.m. and 24 hour times Tell time to within the nearest minute Find and compare durations Measuring time in seconds</p> <p>Statistics Draw, read and interpret tables, bar charts and pictograms</p> <p>Shape Identify right angles in shapes Compare angles in shapes Recognise and compare 2D and 3D shapes Draw lines accurately Describe perpendicular and parallel lines</p>
--	---	---	--

	<p>Subtract 10s across a 100 Add two numbers (no exchange) Subtract two numbers (no exchange) Add two numbers (across a 10, 100) Subtract two numbers (across a 10, 100) Add 2-digit and 3-digit numbers Subtract a 2-digit number from a 3-digit number Complements to 100 Estimate answers Inverse operations</p> <p>Multiplication and Division Year 3 Use arrays to multiply Multiples of 2, 5, 10 Multiply and Divide by 3, 4, 8 Know 2,4,8 times-tables.</p>		
--	--	--	--

4

	<p>Place value Represent numbers to 1,000 Partition numbers to 1,000 Number line to 1,000 Thousands Represent numbers to 10,000 Partition numbers to 10,000 Flexible partitioning of numbers to 10,000 Find 1, 10, 100, 1,000 more or less Number line to 10,000 Estimate on a number line to 10,000 Compare numbers to 10,000 Order numbers to 10,000 Roman numerals Round to the nearest 10 Round to the nearest 100 Round to the nearest 1,000 Round to the nearest 10, 100 or 1,000</p> <p>Addition and subtraction Add and subtract 1s, 10s, 100s and 1,000s Add up to two 4-digit numbers - no exchange Add two 4-digit numbers - one exchange Add two 4-digit numbers - more than one exchange Subtract two 4-digit numbers - no exchange Efficient subtraction Estimate answers Checking strategies</p> <p>Measurement - Area What is area?</p>	<p>Multiplication and division Factor pairs Use factor pairs Multiply by 10 Multiply by 100 Divide by 10 Divide by 100 Related facts – multiplication and division Informal written methods for multiplication Multiply a 2-digit number by a 1-digit number Multiply a 3-digit number by a 1-digit number Divide a 2-digit number by a 1-digit number (1) Divide a 2-digit number by a 1-digit number (2) Divide a 3-digit number by a 1-digit number Correspondence problems Efficient multiplication</p> <p>Length and perimeter Measure in kilometres and metres Equivalent lengths (kilometres and metres) Perimeter on a grid Perimeter of a rectangle Perimeter of rectilinear shapes Find missing lengths in rectilinear shapes Calculate the perimeter of rectilinear shapes Perimeter of regular polygons</p>	<p>Decimals B Make a whole with tenths Make a whole with hundredths Partition decimals Flexibly partition decimals Compare decimals Order decimals Round to the nearest whole number Halves and quarters as decimals</p> <p>Money Write money using decimals Convert between pounds and pence Compare amounts of money Estimate with money Calculate with money Solve problems with money</p> <p>Time Years, months, weeks and days Hours, minutes and seconds Convert between analogue and digital times</p> <p>Shape Understand angles as turns Identify angles Compare and order angles Triangles Quadrilaterals Polygons Lines of symmetry Complete a symmetric figure</p>
--	--	--	---

	<p>Count squares Make shapes Compare areas</p> <p>Multiplication and division Multiples of 3 Multiply and divide by 6 6 times-table and division facts Multiply and divide by 9 9 times-table and division facts The 3, 6 and 9 times-tables Multiply and divide by 7 7 times-table and division facts 11 times-table and division facts 12 times-table and division facts Multiply by 1 and 0 Divide a number by 1 and itself Multiply three numbers</p>	<p>Perimeter of polygons</p> <p>Fractions Understand the whole Count beyond 1 Partition a mixed number Number lines with mixed numbers Compare and order mixed numbers Understand improper fractions Convert mixed numbers to improper fractions Convert improper fractions to mixed numbers Equivalent fractions on a number line Equivalent fraction families Add two or more fractions Add fractions and mixed numbers Subtract two fractions Subtract from whole amounts Subtract from mixed numbers</p> <p>Decimals A Tenths as fractions Tenths as decimals Tenths on a place value chart Tenths on a number line Divide a 1-digit number by 10 Divide a 2-digit number by 10 Hundredths as fractions Hundredths as decimals Hundredths on a place value chart Divide a 1- or 2-digit number by 100</p>	<p>Statistics Interpret charts Comparison, sum and difference Interpret line graphs Draw line graphs</p> <p>Position and direction Describe position using coordinates Plot coordinates Draw 2-D shapes on a grid Translate on a grid Describe translation on a grid</p>
--	--	---	--

UKS2

	<p>Place Value</p> <p>Year 5 Roman numerals to 1000. Representing Numbers to 1 million Powers of 10 Partition numbers to 1 million Compare and order numbers to 1 million Round numbers to 1 million</p> <p>Year 6 Representing Numbers to 10 million Read and write numbers to 10 million Powers of 10 Number line to 10 million Compare and order any integers Round any numbers Negative Numbers</p> <p>Four Operations</p> <p>Year 5 Mental strategies Add and Subtract whole numbers with more than 4 digits Calculate inverse operations Solve multistep problems in context Identify multiples and factors Prime numbers Square and cube numbers Multiply and divide by multiples of 10 Multiples of 10, 100 and 1000</p> <p>Year 6 Add and Subtract integers Common factors Common multiples</p>	<p>Multiplication and division</p> <p>Year 5 Multiply up to a 4-digit number by a 1-digit number Multiply a 2-digit number by a 2-digit number (area model) Multiply a 2-digit number by a 2-digit number Multiply a 3-digit number by a 2-digit number Multiply a 4-digit number by a 2-digit number Solve problems with multiplication Short division Divide a 4-digit number by a 1-digit number Divide with remainders Efficient division Solve problems with multiplication and division</p> <p>Fractions</p> <p>Year 5 Multiply a unit fractions by an integer Multiply a non-unit fraction by an integer Multiply a mixed number by an integer Fraction of an amount Find the whole Use fractions as operators</p> <p>Ratio</p> <p>Year 6 Use ratio language Introduction to the ratio symbol Ratio and fractions</p>	<p>Properties of Shape</p> <p>Year 5 Understand and use degrees Classify angles Estimate angles Measure angles Draw lines and angles accurately Calculate angles around a point Calculate angles on a straight line Lengths and angles in shapes Regular and irregular polygons 3-D shapes</p> <p>Year 6 Use a protractor to measure in degrees Calculate angles in a shape Circles Draw shapes accurately Nets of 3-D shapes</p> <p>Position and Direction</p> <p>Year 5 Read and plot coordinates Problem solving with coordinates Translation Translation with coordinates Lines of symmetry Reflection in horizontal and vertical lines</p> <p>Year 6 The first quadrant Describe position in all 4 quadrants Solve problems with coordinates</p>
--	---	--	---

	<p>Rules of divisibility Primes to 100 Square and cube numbers Multiply up to a 4-digit number by a 2-digit number Solve problems with multiplication Short division Division using factors Introduction to long division Long division with remainders Solve problems with division Solve multi-step problems Order of operations Mental calculations and estimation</p> <p>Fractions Year 5 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 1 Order fractions less than 1 Compare and order fractions greater than 1 Add and subtract fractions with the same denominator Add fractions within 1 Add fractions with total greater than 1 Add to a mixed number Add two mixed numbers</p>	<p>Scale drawing Use scale factors Similar shapes Ratio problems Proportion problems Recipes</p> <p>Algebra Year 6 1-step function machines 2-step function machines Form expressions Substitution Formulae Form equations Solve 1-step equations Solve 2-step equations Find pairs of values Solve problems with two unknowns</p> <p>Decimals Year 6 Place value within 1 Place value-integers and decimals Round decimals Add and subtract decimals Multiply by 10, 100 and 1000 Divide by 10, 100 and 1000 Multiply decimals by integers Divide decimals by integers Multiply and divide decimals in context</p> <p>Fractions, decimals and percentages Year 5 Decimals up to 2 decimal places Equivalent fractions and decimals Thousandths as fractions and decimals</p>	<p>Translations Reflections</p> <p>Decimals Year 5 Use known facts to add and subtract decimals within 1 Complements to 1 Add and subtract decimals across 1 Add and subtract decimals with the same number of decimal places Decimal sequences Multiply by 10, 100 and 1000 Divide by 10, 100 and 1000 Multiply and divide decimals - missing values</p> <p>Negative numbers Understand negative numbers Count through zero in 1s Count through zero in multiples Compare and order negative numbers Find the difference</p> <p>Converting units Kilograms and kilometres Millimetres and millilitres Convert units of length Convert between metric and imperial units Convert units of time Calculate with timetables</p>
--	---	---	--

	<p>Subtract fractions Subtract from a mixed number Subtract two mixed numbers</p> <p>Year 6 Equivalent fractions and simplifying Equivalent fractions on a number line Compare and order Add and subtract simple fractions Add and subtract any two fractions Add mixed numbers Subtract mixed numbers Multiply fractions by integers Multiply fractions by fractions Divide a fraction by an integer Fraction of an amount</p> <p>Converting units Year 6 Metric measures Convert metric measures Calculate with metric measures Miles and kilometres Imperial measures</p>	<p>Thousandths on a place value chart Order and compare decimals Round to the nearest whole number Round to 1 decimal place Understand percentages Percentages as fractions Percentages as decimals Equivalent fractions, decimals and percentages</p> <p>Year 6 Decimals and fraction equivalents Fractions as division Understand percentages Fractions to percentages Equivalent fractions, decimals and percentages Order fractions, decimals and percentages Percentage of an amount - one step Percentage of an amount - multi-step Percentages - missing values</p> <p>Area and Perimeter Year 5 Measure and Calculate Perimeter Calculate the area of rectangles Find the area of compound shapes Estimate area</p>	<p>Volume Cubic centimetres Compare volume Estimate volume Estimate capacity</p>
--	---	--	---

		<p>Year 6 Calculate the area of triangles and parallelograms Calculate the volume of a cuboid</p> <p>Statistics</p> <p>Year 5 Draw, read and interpret Line Graphs Read and interpret tables and timetables</p> <p>Year 6 Line graphs Dual bar charts Draw, read and interpret Pie Charts Calculate averages using the Mean</p>	
--	--	---	--

<p style="text-align: center; font-size: 2em; font-weight: bold;">7</p>	<p>Algebraic thinking Sequences Understand and use algebraic notation Equality & Equivalence</p> <p>Place value & proportion Place value & ordering integers & decimals Fraction, decimal & percentage equivalence</p>	<p>Applications of number Solving problems with addition and subtraction Solving problems with multiplication & division</p> <p>Fractions & percentages of amounts</p> <p>Directed number Operations & equations with directed number</p> <p>Fractional thinking Addition & subtraction of fractions</p>	<p>Lines & angles Constructing, measuring & using geometric notation Developing geometric reasoning</p> <p>Reasoning with number Developing number sense Sets & probability Prime numbers & proof</p>
<p style="text-align: center; font-size: 2em; font-weight: bold;">8</p>	<p>Proportional reasoning Ratio & Scale Multiplicative change Multiplying and dividing fractions</p> <p>Representations Working in the Cartesian plane Representing data Tables & Probability</p>	<p>Algebraic techniques Brackets, equations & inequalities Sequences Indices</p> <p>Developing Number Fractions & percentages Standard index form Number sense</p>	<p>Developing geometry Angles in parallel lines & polygons Area of trapezium & circles Line symmetry & reflection</p> <p>Reasoning with data The data handling cycle Measures of location</p>