



Year Group	Number and Place Value	Addition, Subtraction, Multiplication and Division (Calculation)	Fractions, Decimals and Percentages	Measurement	Geometry (Properties of Shape, Position and Direction)	Statistics
Year 1 (Age 5-6)	<ul style="list-style-type: none"> Count forwards and backwards to 100 Read and write numbers to 20 in numerals and words Identify one more and one less 	<ul style="list-style-type: none"> Use number bonds to 10 and 20 Add and subtract one-digit and two-digit numbers to 20 Solve simple problems using concrete objects and pictorial representations 	<ul style="list-style-type: none"> Recognise, find and name halves and quarters of objects and shapes Understand part-whole relationships 	<ul style="list-style-type: none"> Compare, describe and solve practical problems for length, mass, capacity and time Measure and begin to record using standard and non-standard units 	<ul style="list-style-type: none"> Recognise and name common 2D and 3D shapes Describe position, direction and movement including whole, half, quarter and three-quarter turns 	<ul style="list-style-type: none"> Interpret and construct simple pictograms, tally charts, block diagrams and tables.
Year 2 (Age 6-7)	<ul style="list-style-type: none"> Count in steps of 2, 3, and 5 from 0, and in tens from any number Recognise place value in two-digit numbers 	<ul style="list-style-type: none"> Recall and use addition and subtraction facts to 20 fluently Add and subtract numbers using concrete objects, pictorial 	<ul style="list-style-type: none"> Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$, $\frac{3}{4}$ Understand simple equivalence of fractions 	<ul style="list-style-type: none"> Choose and use appropriate standard units to estimate and measure length, mass, temperature and capacity 	<ul style="list-style-type: none"> Identify and describe properties of 2D and 3D shapes Identify lines of symmetry in shapes Use mathematical vocabulary to 	<ul style="list-style-type: none"> Ask and answer simple questions by counting the number of objects in each category and sorting categories by quantity.



	<ul style="list-style-type: none"> Compare and order numbers up to 100 	<ul style="list-style-type: none"> representations and mentally Understand multiplication as repeated addition and division as sharing 		<ul style="list-style-type: none"> Tell and write the time to five minutes Recognise and use symbols for pounds (£) and pence (p) 	<ul style="list-style-type: none"> describe position, direction and movement 	
<p>Year 3 (Age 7-8)</p>	<ul style="list-style-type: none"> Count from 0 in multiples of 4, 8, 50 and 100 Recognise place value in three-digit numbers Compare and order numbers up to 1000 <ul style="list-style-type: none"> Find 10 or 100 more or less than a given number 	<ul style="list-style-type: none"> Add and subtract numbers mentally and with formal written methods Recall and use multiplication and division facts for 3, 4 and 8 times tables <ul style="list-style-type: none"> Solve problems involving all four operations 	<ul style="list-style-type: none"> Recognise and use unit and non-unit fractions Compare and order fractions with the same denominator Add and subtract fractions with the same denominator <ul style="list-style-type: none"> Recognise and use tenths as decimals 	<ul style="list-style-type: none"> Measure, compare, add and subtract lengths, mass, volume/capacity Measure perimeter of simple 2D shapes Tell and write the time using 12-hour and 24-hour clocks 	<ul style="list-style-type: none"> Draw and describe 2D shapes and make 3D shapes <ul style="list-style-type: none"> Identify right angles and recognise angles as a property of shape Identify horizontal, vertical, perpendicular and parallel lines Describe position on a grid 	<ul style="list-style-type: none"> Interpret and present data using bar charts, pictograms and tables Solve one-step and two-step questions using information presented in scaled bar charts and pictograms.
<p>Year 4 (Age 8-9)</p>	<ul style="list-style-type: none"> Count in multiples of 6, 7, 9, 25 and 1000 Recognise place value in 	<ul style="list-style-type: none"> Add and subtract numbers with up to four digits using 	<ul style="list-style-type: none"> Recognise and show families of equivalent fractions Add and subtract 	<ul style="list-style-type: none"> Convert between different units of measure (e.g. km to m) 	<ul style="list-style-type: none"> Classify geometric shapes, including quadrilaterals and triangles 	<ul style="list-style-type: none"> Interpret and present discrete and continuous data using appropriate



	<p>four-digit numbers</p> <ul style="list-style-type: none"> • Round numbers to the nearest 10, 100 or 1000 • Order and compare numbers beyond 1000 	<p>formal written methods</p> <ul style="list-style-type: none"> • Recall multiplication and division facts up to 12×12 • Use formal written methods for multiplication and division • Solve two-step problems involving all four operations 	<p>fractions with the same denominator</p> <ul style="list-style-type: none"> • Recognise and write decimal equivalents for tenths and hundredths • Round decimals with one decimal place to the nearest whole number 	<ul style="list-style-type: none"> • Measure and calculate perimeter and area of rectilinear shapes • Read, write and convert time between analogue and digital 12- and 24-hour clocks 	<ul style="list-style-type: none"> • Identify lines of symmetry in 2D shapes • Plot points and describe movements on a grid • Describe positions using coordinates in the first quadrant 	<p>graphical methods, including bar charts and time graphs;</p> <ul style="list-style-type: none"> • Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.
<p>Year 5 (Age 9-10)</p>	<ul style="list-style-type: none"> • Read, write, order and compare numbers to at least 1,000,000 • Interpret negative numbers in context • Round any number up to 1,000,000 to the nearest 10, 100, 1000, 	<ul style="list-style-type: none"> • Add and subtract whole numbers with more than four digits • Use formal written methods for all four operations • Identify multiples, factors, prime, square and cube numbers 	<ul style="list-style-type: none"> • Compare and order fractions whose denominators are all multiples of the same number • Identify, name and write equivalent fractions • Add and subtract fractions with 	<ul style="list-style-type: none"> • Convert between different units of metric measure • Understand and use approximate equivalences between metric and imperial units • Calculate perimeter and area of 	<ul style="list-style-type: none"> • Identify 3D shapes from 2D representations • Know angles are measured in degrees and estimate and compare acute, obtuse and reflex angles • Draw given angles and 	<ul style="list-style-type: none"> • Complete, read and interpret information in tables, including timetables; • Solve comparison, sum and difference problems using information



	<p>10,000 and 100,000</p> <ul style="list-style-type: none"> Use Roman numerals to 1000 (M) 	<ul style="list-style-type: none"> Solve multi-step problems, including those involving scaling and correspondence 	<p>denominators that are multiples of the same number</p> <ul style="list-style-type: none"> Read and write decimals as fractions Recognise and use thousandths Understand and calculate percentages as fractions and decimals 	<p>composite rectilinear shapes</p> <ul style="list-style-type: none"> Estimate and compare volume Solve problems involving money and time 	<p>measure them in degrees</p> <ul style="list-style-type: none"> Use the properties of rectangles to deduce related facts Reflect and translate shapes on a grid 	<p>presented in a line graph.</p>
<p>Year 6 (Age 10-11)</p>	<ul style="list-style-type: none"> Read, write, order and compare numbers up to 10,000,000 Round any whole number to a required degree of accuracy Use negative numbers in context and calculate intervals across zero 	<ul style="list-style-type: none"> Perform mental calculations with mixed operations and large numbers Use formal written methods for all four operations, including long multiplication and division Identify common 	<ul style="list-style-type: none"> Use common factors to simplify fractions Compare and order fractions, including those greater than 1 Add and subtract fractions with different denominators and mixed numbers 	<ul style="list-style-type: none"> Solve problems involving the calculation and conversion of units Use, read, write and convert between standard units, converting measurements of length, mass, volume and time 	<ul style="list-style-type: none"> Draw and classify shapes by properties and sizes Find unknown angles in triangles, quadrilaterals and regular polygons Illustrate and name parts of circles, including radius, 	<ul style="list-style-type: none"> Interpret and construct pie charts and line graphs and use these to solve problems; Calculate and interpret the mean as an average.



	<ul style="list-style-type: none">• Solve number and practical problems with increasingly large numbers	<p>factors, common multiples and prime numbers</p> <ul style="list-style-type: none">• Solve multi-step problems, justifying and interpreting remainders• Use estimation to check answers	<ul style="list-style-type: none">• Multiply and divide fractions by whole numbers• Associate a fraction with division and calculate decimal fraction equivalents• Solve problems involving the calculation of percentages	<ul style="list-style-type: none">• Calculate area, perimeter and volume of shapes, including parallelograms and triangles• Use scale factors, ratio and proportion in measurement contexts	<p>diameter and circumference</p> <ul style="list-style-type: none">• Describe positions on the full coordinate grid (all four quadrants)• Translate and reflect shapes in the four quadrants	
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