

Year 4 term 1&2

Points in italics are either where statements have been moved from other year groups or to support progression where no statement is given

Oral and Mental calculation

- Read and write numbers up to 10,000.
- Count on and back in 1s, 10 s or 100 s from any number up to 10,000.
- Count forwards and backwards in equal steps
- *Identify and describe number patterns*
- Compare and order a set of random numbers up to 10,000 *using > or <*
- Round any number up to 10000 to the nearest 10, 100 or 1000.
- Recall addition and subtraction facts for each number up to 20.
- Recall addition and subtraction facts for 100
- *Add and subtract pairs of two digit and/or three digit numbers mentally*
- Find , 1, 10, 100 or 1000 more or less than a given number
- Recall multiplication facts for 2, 3, 4, 5 and 8 x tables including: multiplying by 0 and 1 multiply three numbers from known together
- Divide multiples from known tables mentally, including dividing by 1.
- Multiply and divide whole numbers by 10 or 100 (whole number answers).
- Recognise 2 D and 3D shapes and describe them.

Week	Main focus of teaching
1	<p>Number and place value to solve problems</p> <ul style="list-style-type: none"> • Read and write numbers to 10000 • Order and compare numbers beyond 1000. • Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones). • Identify, represent and estimate numbers using different representations, including the number line. • Solve problems involving number and place value
2	<p>Addition and subtraction to solve problems</p> <ul style="list-style-type: none"> • Estimate answers • <i>Consider the most appropriate strategy to solve a calculation: calculate mentally, use a jotting or a written method</i> • Add numbers with up to 4 digits using a compact written method of addition. • Subtract numbers with up to 4 digits using an expanded method of subtraction • Add numbers with up to 4 digits and decimals with one decimal place using a written method of addition • Subtract numbers with up to 4 digits and decimals with one decimal place

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	<p>using an expanded method of subtraction</p> <ul style="list-style-type: none"> • Use inverse to check the answers to calculations • Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.
3	<p>Decimal Fractions to solve problems</p> <ul style="list-style-type: none"> • Count in tenths <i>on counting stick</i> • <i>Recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10(year 3)</i> • <i>Identify the value of each digit to one decimal place.</i> • <i>Read and write numbers with one decimal place.</i> • <i>Partition numbers into ones and tenths (for example, $2.3 = 2 + 0.3$)</i> • <i>Order and compare numbers with one decimal place including on a number line.</i> • <i>Solve problems involving ordering numbers to one decimal place</i>
4	<p>Measures-length to solve problems</p> <ul style="list-style-type: none"> • <i>Read and interpret the scale on a range of measuring equipment</i> • Estimate, compare and calculate different lengths in meters and/or centimetres • Estimate answers • <i>Consider the most appropriate strategy to solve a calculation: calculate mentally, use a jotting or a written method</i> • Add two or more lengths with up to 4 digits (including decimals with two decimal places) using a written method of addition where appropriate. • Subtract lengths up to 4 digits (including decimals with two decimal places) using a written method of subtraction where appropriate • Use inverse to check the answers to calculations • <i>Revise perimeter(Y3)</i> • Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and/or metres. • Convert between different units of measure (e.g. kilometre to metre). • Solve problems involving length
5	<p>Measures –Money to solve problems</p> <ul style="list-style-type: none"> • <i>Revise coinage and notes</i> • <i>Continue to recognise and use symbols for pounds (£) and pence (p)</i> • <i>Understand that the decimal point separates pounds and pence</i>

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	<ul style="list-style-type: none"> • Estimate answers • <i>Consider the most appropriate strategy to solve a calculation: calculate mentally, use a jotting or a written method</i> • Add two or more amounts of money with up to 4 digits (including decimals with two decimal places) using a written method of addition where appropriate. • Subtract amounts of money with up to 4 digits (including decimals with two decimal places) using a written method of subtraction where appropriate • Use inverse to check the answer to calculations • Give change from £20 • Solve problems involving money
6	<p>Multiplication and division to solve problems</p> <ul style="list-style-type: none"> • Estimate answers • <i>Consider the most appropriate strategy to solve a calculation calculate mentally, use a jotting or a written method</i> • <i>Use partitioning to double or halve any number, including decimals to one decimal place</i> • Recall multiplication and division facts for the 6x and 9x tables. • Identify patterns of similar calculations, <i>e.g. if I know 5 x 9, I also know 0.5 x 0.9, 90 x 5, 90 x 50 etc.</i> • Find factor pairs for numbers within known tables • Multiply two-digit and three-digit numbers by a one-digit number using an expanded written layout • Use inverse to check answers to calculations. • Solve problems involving multiplying and adding • Solve problems involving division (including remainders),
7	<p>Shape and position and direction in solve problems</p> <ul style="list-style-type: none"> • <i>Continue to identify horizontal and vertical lines and pairs of perpendicular and parallel lines(year 3)</i> • Identify acute and obtuse angles and compare • Order angles up to two right angles by size. • Identify lines of symmetry in 2-D shapes. • Sort geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.

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	<ul style="list-style-type: none">• Solve problems involving position and /or direction• Solve problems involving shapes
8	Statistics to solve problems <ul style="list-style-type: none">• <i>Read and interpret a range of scales- link to number line</i>• Interpret and present discrete using appropriate graphical methods, including bar charts and time graphs.• Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.
9	Measures –Time to solve problems <ul style="list-style-type: none">• <i>Revise estimating and reading time to a least the nearest five minutes (Y 3)on an analogue clock</i>• <i>Continue to record and compare time as minutes and hours (Y 3) crossing the hour on an analogue clock</i>• <i>Read time on a digital clock</i>• <i>record and compare time as minutes and hours crossing the hour on a digital clock (12 hour)</i>• <i>Use vocabulary of time (Y 3)</i>• Convert time between analogue and digital clocks and times• Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days
10	Assess and review