

YEAR 4	Strands	Progression focus	Weekly Summary
SUMMER 1	<p>1: GPD Geometry: position and direction; STA Statistics</p> <p>2: MMD Mental multiplication and division; WMD Written multiplication and division; MAS Mental addition and subtraction; PRA Problem solving, reasoning and algebra</p> <p>3. WMD Written multiplication and division; PRA Problem solving, reasoning and algebra; MAS Mental addition and subtraction; WAS Written addition and subtraction</p> <p>4: DPE Decimals, percentages and their equivalence to fractions; PRA Problem solving, reasoning and algebra; FRP Fractions, ratio and proportion</p> <p>5: WAS Written addition and subtraction; PRA Problem solving, reasoning and algebra; MAS Mental addition and subtraction</p> <p>6 & 7: WMD Written multiplication and division; PRA Problem solving, reasoning and algebra; MMD Mental multiplication and division; FRP Fractions, ratio and proportion; DPE Decimals, percentages and their equivalence to fractions</p>	<p>Coordinate geometry; statistics and data Week 1 focuses on using coordinate grids; and developing that understanding to draw line graphs and know that intermediate points have meaning.</p> <p>Mental calculation strategies Week 2 focuses on the relationship between the operations, particularly multiplication and division, and then between addition and subtraction; these important inverse relationships are linked to mental calculation.</p> <p>Multiplication and division Week 3 focuses on developing a good understanding of the processes involved in more complex written algorithms for multiplication and division.</p> <p>Fractions and decimals Week 4 focuses on developing and enhancing the concept of decimal number, including relating decimal fractions to proper fractions and recognising equivalents.</p> <p>Addition and subtraction Week 5 focuses on addition and subtraction using written column methods.</p> <p>Multiplication and division; fractions Weeks 6 & 7 focus on enhancing mental and written strategies for multiplication and division; and link this to unit and non-unit fractions and the decimal results of dividing by 10 and 100.</p>	<p>Use coordinates to draw polygons; find the coordinates of shapes after translation; draw and interpret bar charts and pictograms; draw line graphs and understand that intermediate points have meaning.</p> <p>Understand how to divide 2-digit and 3-digit numbers by 1-digit numbers using place value and mental strategies; divide numbers by 1-digit numbers to give answers between 10 and 25, with remainders; identify factor pairs and use these to solve multiplications and divisions with larger numbers; use Frog to find complements to multiples of 1000; use Frog to find change from £10, £20 and £50.</p> <p>Use the vertical algorithm to multiply 3-digit numbers by 1-digit numbers; explore patterns; use mental strategies and tables facts to divide 2-digit and 3-digit numbers by 1-digit numbers to give answers between 10 and 35, without remainders; solve word problems.</p> <p>Understand, read and write 2-place decimals; compare 2-place decimals in the context of lengths; add and subtract 0.1 and 0.01 and say a number one-tenth (0.1) or one-hundredth (0.01) more or less than a given number; revise equivalent fractions; write fractions with different denominators with a total of 1; recognise decimal and fraction equivalents.</p> <p>Solve written addition of two 4-digit numbers; add amounts of money (pounds and pence) using column addition; solve 4-digit minus 4-digit and 4-digit minus 3-digit subtractions using written column method (decomposition) and check subtraction with addition; solve word problems choosing an appropriate method.</p> <p>Use the vertical algorithm (ladder) to multiply 3-digit numbers by 1-digit numbers; find non-unit fraction of amounts, using 'chunking'; add fractions with like denominators, including totals greater than 1; divide by 10 and 100 (to give answers with 1 and 2 decimal places)</p>

<p>SUMMER 2</p>	<p>8: GPD Geometry: position and direction; STA Statistics</p> <p>9 & 10: MMD Mental multiplication and division; PRA Problem solving, reasoning and algebra; WMD Written multiplication and division; FRP Fractions, ratio and proportion</p> <p>ASSESSMENT WEEK X 2/3</p>	<p>Coordinate geometry; statistics and data Week 8 focuses on using coordinate grids; and developing that understanding to draw line graphs and know that intermediate points have meaning.</p> <p>Multiplication and division; fractions Weeks 9 and 10 focus on enhancing mental and written strategies for multiplication and division; and link this to unit and non-unit fractions and the decimal results of dividing by 10 and 100.</p>	<p>Use coordinates to draw polygons; find the coordinates of shapes after translation; draw and interpret bar charts and pictograms; draw line graphs and understand that intermediate points have meaning.</p> <p>Multiply 2-digit numbers by 11 and 12; look for patterns and write rules; multiply 2-digit numbers by numbers between 10 and 20 using the grid method; begin to use the grid method to multiply pairs of 2-digit numbers; use mental strategies and tables facts to divide 2-digit and 3-digit numbers by 1-digit numbers to give answers between 20 and 50, with and without remainders; find non-unit fractions of amounts.</p>
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