

National Curriculum Aims:		Wandsworth and Merton LA	Long Term Mathematics Planning	Year 5		
	Theme	Theme Title	Focus	Additional strands	Approx no. of weeks	
Fluency	Autumn	1	<b>Using place value to solve problems</b>	Place value, including decimals, Mental +/- and $\times/\div$ by 10, 100 and 1000. Number sequences—including negative numbers	Measurement (including money & conversions) Calculation Fractions	4
		2	<b>Solving problems using written methods (+/-, <math>\times/\div</math>)</b>	Number: written Calculations for the four operations ( +/ -, $\times/\div$ ), multi step problems	Mental strategies Measurement—convert between units of measure, area and perimeter, solve problems involving measure	4
		3	<b>Reasoning about fractions</b>	Fractions & Decimals: <ul style="list-style-type: none"> <li>Ordering and comparing</li> <li>Equivalent fractions</li> <li>Mixed &amp; improper fractions &amp; convert between</li> </ul>	Multiplication & division—mental methods/times tables, multiples, factors, prime numbers Place value—understand the value of digits	2
Reasoning	Spring	4	<b>Geometrical reasoning</b>	Geometry—3D & 2D shapes: properties & position of shapes, reasoning, angles, translation  * Geometry reasoning then as simmering skill across Y5	Measurement—area of rectangles, algebraic notation, perimeter Addition & subtraction - problems in context Early algebra—missing lengths & angles	4
		5	<b>Solving problems using mental calculation and conversion</b>	The four operations, estimate & check using inverse Measurement—metric and metric/imperial conversions, solve problems using decimal notation including scaling, using scaled drawings to calculate area	Fractions - decimal notation (up to 3 d.p.) Place value—solving number & practical problems, understand the value of digits	3
		6	<b>Developing and using fractional equivalence to solve problems</b>	Fractions, Decimals & Percentages <ul style="list-style-type: none"> <li>Adding and subtracting fractions</li> <li>Multiplying fractions by whole numbers</li> <li>Percentages as a decimal fraction</li> </ul>	Multiplication and division Addition and subtraction Place value	3
Problem-Solving	summer	7	<b>Problem solving involving measures</b>	Measurement <ul style="list-style-type: none"> <li>Metric and common imperial units</li> <li>Volume</li> <li>Time</li> </ul>	Roman numerals Fractions—decimal numbers & equivalence, solving problems (up to 3 d.p)	4
		8	<b>Solving statistical problems</b>	Statistics <ul style="list-style-type: none"> <li>Interpreting line graphs( including time graphs)</li> <li>Interpreting information in tables (timetables)</li> </ul>	Measurement—time Problem solving Place value—negative numbers in context, counting	2
		9	<b>Problem solving using mental &amp; written strategies</b>	The four operations: mental and written calculation Fractions, decimals & percentages: <ul style="list-style-type: none"> <li>Equivalence</li> <li>Solving problems</li> </ul>	Number sequences Factors, multiples, squares and cubes Measurement	4