

Wandsworth and Merton LA Long Term Mathematics Planning Year 6						
	Theme	Theme Title	Focus	Additional strands	Approx no. of weeks	
National Curriculum Aims: Fluency	Autumn	1	Solving problems using place value and decimals	Number - place value (order, round), solve problems, negative numbers Fractions - decimal numbers, equivalence	Algebra - generate/describe linear number sequences Geometry - position & direction (4 quadrants)	4
		2	Solving problems using written & mental calculation and conversions	Written & Mental calculation (all four operations), number facts, multi step problems Measurement -convert units of measure, solve problems Statistics	Algebra Fractions - problems with numbers to 3 d.p. Statistics - the mean	4
		3	Developing fluency in fractional equivalence	Fractions, decimals and percentage <ul style="list-style-type: none"> equivalence Recognise, count, order & compare (fractions & decimals) Add/subtract fractions with same denominator Number - factors, multiples & prime numbers	Calculation (multiplication/division) Measurement - solve problems using decimal notation up to 3 d.p. Ratio & proportion - percentage problems,	2
Reasoning	Spring	4	Geometric problem solving and reasoning	Geometry <ul style="list-style-type: none"> Properties of shape - 2D & 3D, circles & angles Reflection and translation Measurement <ul style="list-style-type: none"> Area, perimeter & volume exploration (including parallelograms & triangles) 	Ratio & proportion—scale factor with shapes Algebra - equivalent expressions e.g. isosceles triangle ($a+a+b = 180$), formulae Solve problems - measurement, number	4
		5	Reasoning about data	Statistics - pie charts, line graphs, mean average Ratio & proportion Measurement - time	Solve problems - '3/5 of the class are boys' Measurement - miles per hour Reasoning	4
		6	Using written methods involving fractions to solve problems	Multiplication & Division - formal written methods, solve multi step problems Fractions - rounding, estimating, checking accuracy, add/subtract/multiply/divide, solve problems using equivalence	Solve problems - number, measurement, Measurement - area & perimeter Ratio & proportion - percentage problems, unequal sharing	2
Problem-Solving	Summer		Revision & consolidation	SATs Revision SATs tests		4
		7	Investigating and problem solving through real life Maths	Problem solving themes from a choice of four: © Wandsworth & Merton Local Authorities, 2014	The Vitruvian Man Binary Numbers The Leavers' Disco The Fibonacci Sequence	6