

| 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 decimals: Fractions—decimal numbers, equivalence | Multiply and divide by 10, 100, 1000 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—line graph construction & interpretation | Algebra— use simple formulae, express missing number problems algebraically Number - solve problems Fractions— problems with numbers to 3 d.p. | 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 | Calculation (multiplication/division) Place value—solve problems Measurement - solve problems using decimal notation up to 3 d.p. Ratio & proportion—percentage problems, unequal sharing | 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 | <i>SATs Revision</i> <i>SATs tests</i> | | 4 |
| | | 7 | Investigating and problem solving through real life Maths | Problem solving themes Eg Theme Park design, Tennis Maths, World Cup, end of year celebration planning | Ratio & proportion Measurement The four operations—written & mental, Fractions— equivalence, calculation | 6 |