|  | Place Value | Position \& Direction | Four Operations | Statistics \& Circles | Fractions A | Fractions B | Assessment |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 4 weeks | 1 week | 3 weeks | 1 week | 3 weeks | 2 weeks | 1 week |
|  | - Read, write, order and compare numbers up to $10,000,000$ and determine the value of each digit <br> - Round any whole number to a required degree of accuracy <br> - Use negative numbers in context, and calculate intervals across zero | - Describe positions on the full coordinate grid (all four quadrants) <br> - Draw and translate simple shapes on the coordinate plane, and reflect them in the axes |  | - Interpret and construct pie charts and line graphs and use these to solve problems <br> - Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs (Year 4) <br> - Calculate and interpeet the mean as an average <br> - Illustrate and name parts of circles, including radius, diameter and circumference and know the radius |  | - Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams (Y5) <br> - Multiply simple pairs of proper fractions, writing the answer in its simplest form <br> - Divide proper fractions by whole numbers |  |
| $n$ 0 $\vdots$ $\vdots$ $\bar{\omega}$ $\overline{0}$ E |  | - Read coordinates in all 4 quadrants then plot in all 4 <br> - Translations and <br> coordinates <br> - Reflections and <br> coordinates | From Calculation Policy $1^{\text {st }}$ NOT WR \& Do CPA lessons <br> Add whole numbers beyond 1 million <br> - Subtract whole numbers beyond 1 million <br> - Short multiplication <br> - Long multiplication <br> - Short division <br> - Long division - 3 lessons <br> - Approximation to check <br> - Order of operations |  Dual bar charts <br> $\vdots$ Line charts <br> Pie charts <br> Circles <br> The mean | From policy for fraction calculating methods - must be school consistency! <br> Square Numbers \& Cube Numbers <br> - Prime Numbers <br> - Use common factors to simplify <br> - Use common denominators to express in same denominator <br> - Compare and order fractions <br> - Add fractions <br> - Add mixed numbers <br> - Subtract fractions | From policy for fraction calculating methods - must be school consistency! <br> - Multiply fractions by integers <br> - Multioly fractions by <br> fractions <br> - Divide a fraction by an <br> - Find tractions of amounts |  |
| $\begin{aligned} & \stackrel{亡}{0} \\ & \\ & \hline \end{aligned}$ | Block Opener/Assembly on Careers linked to unit | Block Opener/Assembly on Careers linked to unit | Block Opener/Assembly on Careers linked to unit <br> World Statistics Day (20.10.23) | Block Opener/Assembly on Careers linked to unit <br> Lingfield Education Trust TTRS Competition (16-20.10.23) | Block Opener/Assembly on Careers linked to unit WR Barvember (November) | Block Opener/Assembly on Careers linked to unit <br> Lingfield Education Trust TTRS Competition (11-15.12.23) | LET Christmas Problems \& Puzzles |

Spring Term

|  | Decimals | FDP | Ratio | Algebra | Measures | Area, Perimeter, <br> Volume | Assessment |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2 weeks | 2 weeks | 2 weeks | 2 weeks | 1 week | 2 weeks | 1 week |
| National Curriculum | - Identify the value of each digit in numbers given to 3 decimal places and multiply and divide numbers by 10 , 100 and 1,000 giving answers up to 3 decimal places <br> - Solve problems which require answers to be rounded to specified degrees of accuracy <br> - Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why <br> - Multiply 1 -digit numbers with up to 2 decimal places by whole numbers <br> - Use written division methods in cases where the answer has up to 2 decimal places <br> - Solve problems involving addition, subtraction, multiplication and division | - Use common factors to simplify fractions; use common multiples to express fractions in the same denomination <br> - Associate a fraction with division and calculate decimal fraction equivalents for a simple fraction <br> - Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts <br> - Compare and order fractions, including fractions $>1$ <br> - Solve problems involving the calculation of percentages and the use of percentages for comparison | - Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts <br> - Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples <br> - Solve problems involving similar shapes where the scale factor is known or can be found | - Use simple formulae Generate and describe linear number sequences Find pairs of numbers that satisfy an equation with two unknowns <br> - Enumerate possibilities of combinations of two variables <br> - Express missing number problems algebraically | - Solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate <br> - Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3 decimal places | - Recognise that shapes with the same areas can have different perimeters and vice versa <br> - Recognise when it is possible to use formulae for area and volume of shapes <br> - Calculate the area of parallelograms and triangles <br> - Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm3) and cubic metres (m3), and extending to other units | - Test to be made by Maths lead to match what has been taught do not just use WR End of Term Tests <br> - Day 1 do arithmetic test <br> - Day 2 go over and unpick the arithmetic test with loads of discussion - this must be given proper time <br> - Days 3 do reasoning test <br> - Day 4 go over and unpick the reasoning test with loads of discussion - this must be given proper time |
| $\begin{aligned} & \frac{0}{0} \\ & \frac{1}{\omega} \\ & \overline{\overline{0}} \\ & \frac{\varepsilon}{\sim} \end{aligned}$ | - Place value to 3dp <br> - Round decimals <br> - Add and subtract decimals <br> - Multiply decimals by 10 , 100, 1000 <br> - Divide decimals by 10 , 100, 1000 <br> - Multiply decimals by integers <br> - Divide decimals by integers | - Decimal and fraction equivalence <br> - Fractions as decimals <br> - Understand percentages <br> - FDP equivalence <br> - Percentage of amounts multiples of 10 and half and quarter <br> - Percentage of amounts multiples of 5 | - Simple ratio tables <br> - Ratio problems using ratio tables <br> - Introducing the ratio symbol <br> - Ratio and fractions <br> - Use scale factors <br> - Similar shapes | - 1 and 2 step function machines <br> - Form expressions <br> - substitution <br> - formulae <br> - $\quad 1$ and 2 step equations <br> - $\quad$ Pairs of values | - Metric measures <br> - Convert between metric measures <br> - $\quad$ Miles \& km | - Area and perimeter of rectangles - embedded problems <br> - rectangles with same areas but different perimeters <br> - Area and perimeter of compound shapes embedded problems <br> - Area of triangles embedded problems <br> - Area of parallelograms embedded problems <br> - Volume counting squares embedded problems <br> - Volume - formula embedded problems |  |
|  | Block Opener/Assembly on Careers linked to unit <br> International Puzzle Day (29.01.24) | Block Opener/Assembly on Careers linked to unit <br> NSPCC Number Day (02.02.24) <br> Lingfield Education Trust TTRS Competition (05-09.02.24) | Block Opener/Assembly on Careers linked to unit <br> World Maths Day (23.03.24) | Block Opener/Assembly on Careers linked to unit | Block Opener/Assembly on Careers linked to unit | Block Opener/Assembly on Careers linked to unit <br> Lingfield Education Trust TTRS Competition (11-15.03.24) | LET Easter Problems \& Puzzles |

Summer Term

|  | Properties of Shape | Revision | Projects |
| :---: | :---: | :---: | :---: |
|  | 2 weeks | 2 weeks | 7 weeks |
|  | - Recognise angles where they meet at a point, are on a stroight line, or are vertically opposite, and find missing angles <br> - Draw given angles, and measure them in degrees ${ }^{\circ}$ ( $(Y 5)$ Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles ( $Y 5$ ) <br> - Compare and classity geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons <br> - Draw $2-\mathrm{D}$ shapes using given dimensions and angles | SATs Revision | Best Value <br> Profits \& Losses <br> Packaging <br> Cooking <br> White Rose Tours |
| $\begin{aligned} & \frac{0}{0} \\ & \dot{N} \\ & \bar{\omega} \\ & \overline{0} \\ & \dot{N} \end{aligned}$ | Measure and classifit angles using a protractor  <br> $:$ More emacsuring angles <br> Caliculate angles in a triangle <br> Callulate angles <br> Draw shapes <br> Make nets  |  | IMEI Calculator project ready for Y7 |
| L 気 E U U U | Block Opener/Assembly on Careers linked to unit National Numeracy Day (15.05.24) | Lingfield Education Trust TTRS Competition <br> Women in Maths Day (12.05.24) <br> Lingfield Education Trust TTRS Competition (20-24.05.24) <br> Allow you pupils practice on the maths orienteering course this term ready for the competition next term. | My Money Week (12-16/6/24) <br> My Money Week (12-16.06.24) <br> Alan Turing Day (23.06.24) <br> Lingfield Education Trust TTRS Competition <br> (01-05.07.24) <br> MP Maths Orienteering Competition for all year groups (01-05.07.24) Lingfield Education Trust maths Challenge (12.07.24) |

