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| **Year 4**  **Year Overview** | | |
| **Unit** | **Learning Hours** | **Summary of Key Content** |
| 1. Pattern Sniffing | 8 | Count in multiples of 6, 7, 9, 25 and 1000; find 1000 more or less than a given number; recall multiplication tables up to 12x12; use factor pairs and commutativity in mental calculations. |
| 2. Investigating Number Systems | 8 | Read Roman numerals to 100, recognise place vale up to 4 digits; identify, represent and estimate numbers using different representations; round to the nearest 10, 100 and 1000; round decimals to the nearest integer; order and compare numbers beyond 1000, order and compare decimals to 2dp. |
| 3. Solving Calculation Problems | 8-12 | Add and subtract up to 4d using formal methods where appropriate; multiply 2dx1d or 3dx1d using a formal written layout; use inverse operations to check a calculation |
| 4. Exploring Shape | 8 | Identify lines of symmetry; identify acute and obtuse angles; compare and order angles up to 180 degrees; compare and classify geometric shapes, including triangles and quadrilaterals. |
| 5. Generalising Arithmetic | 8 | Revisit formal methods of calculation for addition, subtraction and multiplication; multiply and divide mentally using place value, known facts etc to help; solve addition and subtraction 2-step problems |
| 6. Reasoning with Measures | 8 | Estimate, calculate and compare money in £ and p;  Perimeter of rectilinear shapes; area of rectilinear shapes by counting |
| 7. Discovering Equivalence | 8 | Recognise and show equivalent families of fractions; count in tenths; recognise tenths from dividing an object into 10 equal pieces and dividing a number by 10; recognise and write decimal equivalents of any number of tenths or hundredths; recognise and write decimal equivalents to ½, ¼, ¾ |
| 8. Investigating Statistics | 8 | Interpret and present data appropriately including bar charts and time graphs  Solve problems from bar charts, pictograms, tables etc |
| 9. Solving Number Problems | 8 | Divide a (1 or 2d) number by 10 and 100; recap mental multiplication skills; recap formal multiplication; solve problems involving multiplying and adding, using the distributive law. Solve measures problems. |
| 10. Reasoning with Fractions | 8 | Add and subtract fractions with same denominator; solve problems involving fractions to calculate quantities, including non-unit fractions |
| 11. Visualising Shape | 4-8 | Complete a simple symmetric figure |
| 12. Exploring Change | 8 | Read, write and convert time between 12 and 24 hour clocks (analogue and digital)  Solve problems converting between units of time; describe positions on a grid as coordinates |
| 13. Proportional Reasoning | 8-10 | Recall multiplication tables up to 12x12; Recap mental calculations; revisit formal methods for multiplication; solve correspondence problems and those involving the distributive law |
| 14. Describing Position | 8 | Describe positions on grid in first quadrant as coordinates; describe movements between positions as translations using up/down and left/right; plot specified points and complete to make a polygon |
| 15. Measuring and Estimating | 6 | Convert between different units of measure |

It is down to the individual class teacher to adapt the time, order and duration of each of the units to best suit the children’s needs.