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| **Year 6**  **Year Overview** | | |
| **Unit** | **Approx Learning Hours** | **Summary of Key Content** |
| 1. Pattern Sniffing | 8 | Generate and describe linear sequences  Identify common factors, common multiples and prime numbers |
| 2. Investigating Number Systems | 5 | Recognise place value; compare and order numbers up to 10 000 000 and to 3 decimal places; Negative numbers; Rounding |
| 3. Solving Calculation Problems | 8 | Mental calculations; Formal multiplication up to 4dx2d; Formal division up to 4d/2d  Order of operations; Solve calculation problems; Estimation; Use simple formulae |
| 4. Exploring Shape | 8 | Name parts of circles  Angles in polygons; angles at a point, on a straight line and vertically opposite  Compare and classify geometric shapes |
| 5. Generalising Arithmetic | 8 | Mental calculations; Multiply a decimal with up to 2 dp by a single digit; Divide a decimal by an integer; Solve problems involving all 4 operations |
| 6. Reasoning with Measures | 8 | Area of parallelograms and triangles; appreciation of range of shapes with same area or perimeter; appreciation of formulae for area; volume of cuboids |
| 7. Discovering Equivalence | 12 | Compare and order fractions <1; Simplify fractions and express them with a common denominator; Solve percentage calculation problems; FDP equivalence |
| 8. Investigating Statistics | 8 | Interpret and construct pie charts and line graphs  Calculate and interpret the mean as an average |
| 9. Solving Number Problems | 4-8 | Multiply and divide numbers (inc decimals) by powers of 10; revisit formal methods for multiplication and division; solve calculation problems for 4 operations (inc rounding) |
| 10. Reasoning with Fractions | 8 | Add and subtract fractions with different denominators  Multiply and divide proper fractions |
| 11. Visualising Shape | 6-8 | Draw 2D shapes accurately; recognise, describe and build 3D shapes |
| 12. Exploring Change | 2-4 | Coordinates – 4 quadrants |
| 13. Proportional Reasoning | 8 | Mental calculations; revisit formal methods for multiplication and division; solve calculation problems for 4 operations (inc rounding); solve problems involving measures.  Solve scaling problems; solve similar shapes problems; solve unequal sharing problems |
| 14. Describing Position | 4-8 | Coordinates – 4 quadrants; Translations |
| 15. Measuring and Estimating | 8 | Solve problems involving calculation and conversion of measures and units. |

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.