

**Year 6 Maths Targets**

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| **T** | **Objective (number and place value)** | **Evidence with date** | | | |
| 1 | read, write, order and compare numbers up to 10,000,000 and determine the value of each digit |  |  |  |  |
| 2 | round any whole number to a required degree of accuracy |  |  |  |  |
| 3 | use negative numbers in context, and calculate intervals across 0 |  |  |  |  |
| 4 | multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication |  |  |  |  |
| 5 | divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division |  |  |  |  |
| 6 | divide numbers up to 4 digits by a two-digit number using the formal written method of short division |  |  |  |  |
| 7 | perform mental calculations, including with mixed operations and large numbers |  |  |  |  |
| 8 | identify common factors, common multiples and prime numbers |  |  |  |  |
| 9 | use knowledge of the order of operations to carry out calculations |  |  |  |  |
| 10 | use common factors to simplify fractions; use common multiples to express fractions in the same denomination |  |  |  |  |
| 11 | compare and order fractions, including fractions >1 |  |  |  |  |
| 12 | add and subtract fractions with different denominators and mixed numbers |  |  |  |  |
| 13 | multiply simple pairs of proper fractions, writing the answer in its simplest form |  |  |  |  |
| 14 | divide proper fractions by whole numbers |  |  |  |  |
| 15 | associate a fraction with division and calculate decimal fraction equivalents |  |  |  |  |
| 16 | multiply and divide numbers by 10, 100 and 1,000 giving answers up to 3 decimal places |  |  |  |  |
| 17 | multiply one-digit numbers with up to 2 decimal places by whole numbers |  |  |  |  |
| 18 | use written division methods in cases where the answer has up to 2 decimal places |  |  |  |  |
| 19 | recall and use equivalences between simple fractions, decimals and percentages, including in different contexts |  |  |  |  |

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| **Term** | **Definition** | **Symbol** |
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| **Year 6**  **Name:** | | **End of topic assessment score** |
| **ADVENT TERM** | Block 1 – Place Value   * I can read and write numbers up to 10,000,000 * I can compare and order integers * I can round integers * I can calculate using negative numbers |  |
| Block 2 – Four operations   * I can find common factors and multiples * I can identify prime numbers to 100 * I can calculate square and cube numbers * I can use the formal multiplication method * I can use the formal division method * I can use order of operations |  |
| Block 3 - Fractions A   * I can simplify fractions to their simplest form * I can compare and order fractions * I can add and subtract fractions * I can add and subtract mixed numbers |  |
| Block 4 – Fractions B   * I can multiply fractions * I can divide fractions by integers * I can calculate fractions of an amount |  |
| Block 5 – Converting units of measure   * I can convert metric measures of length, weight and capacity * I can solve calculations with metric measures * I can convert between miles and kilometres * I can solve calculations with imperial measures |  |
| **LENT TERM** | Block 1 - Ratio   * I can solve problems involving ration using multiplication and division facts * I can identify and use scale factor * I can calculate proportions using fractions and multiples |  |
| Block 2 – Algebra   * I can use simple formulae * I can generate and describe linear number sequences * I can express missing number problems algebraically * I can find pairs of numbers to complete equations with 2 unknowns |  |

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| **LENT TERM** | Block 3 - Decimals   * I can round decimals * I can add and subtract decimals up to 3dp * I can multiply and divide decimals by 10, 100 and 1000 * I can multiply and divide decimals by integers |  |
| Block 4 – Fractions, decimals and percentages   * I can identify equivalent fractions, decimals and percentages * I can convert fractions to percentages * I can compare and order fractions, decimals and percentages * I can calculate percentages of an amount |  |
| Block 5 – Area, perimeter and volume   * I can calculate the area and perimeter of rectangles and compound shapes * I can calculate the area of triangles and parallelograms * I can calculate the volume of a cuboid |  |
| Block 6 – Statistics   * I can draw and interpret line graphs * I can draw and interpret bar charts * I can interpret pie charts with percentages * I can draw pie charts * I can calculate the mean of a data set |  |
| **PENTECOST TERM** | Block 1 – Shape   * I can measure and calculate angles, including vertically opposite angles * I can calculate angles in all types of triangle * I can calculate angles in quadrilaterals * I can calculate angles in a polygon * I can identify parts of a circle and calculate radius and diameter * I can draw shapes and nets of 3D shapes accurately |  |
| Block 2 – Position and direction   * I can read and plot points in the four quadrants * I can solve problems with coordinates * I can translate and reflect shapes across the four quadrants |  |