

**Year 5 Maths Targets**

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| **T** | **Objective (number and place value)** | **Evidence with date** | | | |
| 1 | read, write, order and compare numbers up to 1,000,000 and determine the value of each digit |  |  |  |  |
| 2 | Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000 |  |  |  |  |
| 3 | Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through 0 |  |  |  |  |
| 4 | Round any numbers up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000 |  |  |  |  |
| 5 | Read Roman numerals to 1,000 (M) and recognise years written in Roman numerals |  |  |  |  |
| 6 | Add and subtract whole numbers with more than 4 digits, including using formal written methods |  |  |  |  |
| 7 | Identify multiples and factors, including finding all factor pairs of a number, and common factors of 2 numbers |  |  |  |  |
| 8 | Establish whether a number up to 100 is prime and recall prime numbers up to 19 |  |  |  |  |
| 9 | Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method |  |  |  |  |
| 10 | Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders |  |  |  |  |
| 11 | Multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000 |  |  |  |  |
| 12 | Recognise and use square numbers and cube numbers, and the notation for squared and cubed |  |  |  |  |
| 13 | compare and order fractions whose denominators are all multiples of the same number |  |  |  |  |
| 14 | identify, name and write equivalent fractions of a given fraction |  |  |  |  |
| 15 | recognise mixed numbers and improper fractions and convert from one form to the other |  |  |  |  |
| 16 | add and subtract fractions with the same denominator, and denominators that are multiples of the same number |  |  |  |  |
| 17 | multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams |  |  |  |  |
| 18 | read and write decimal numbers as fractions |  |  |  |  |
| 19 | round decimals with 2 decimal places to the nearest whole number and to 1 decimal place |  |  |  |  |
| 20 | read, write, order and compare numbers with up to 3 decimal places |  |  |  |  |
| 21 | solve problems involving numbers up to 3 decimal places |  |  |  |  |
| 22 | write percentages as a fraction with denominator 100, and as a decimal fraction |  |  |  |  |
| 23 | solve problems which require knowing percentage and decimal equivalents of ½, ¼, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of 10 or 25 |  |  |  |  |
| 24 | compare and order fractions whose denominators are all multiples of the same number |  |  |  |  |

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| **Term** | **Definition** | **Symbol** |
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| **Year 5**  **Name:** | | **End of topic assessment score** |
| **ADVENT TERM** | Block 1 – Place Value   * I can read, write, order and compare numbers to 1,000,000 * I can interpret negative numbers in context * I can round any number up to 1,000,000 * I can read Roman numerals to 1000 (M) and recognise years written in Roman numerals |  |
| Block 2 – Addition and subtraction   * I can add and subtract whole numbers with more than 4 digits * I can add and subtract numbers mentally * I can use rounding to check my answers * I can solve multi-step problems with addition and subtraction |  |
| Block 3 – Multiplication and division A   * I can identify multiples and factors * I can find all factor pairs of a number, and common factors of two numbers * I can identify prime numbers and prime factors * I can multiply and divide whole numbers by 10, 100 and 1000 * I can recognise and use square numbers and cube numbers |  |
| Block 4 – Fractions A   * I can compare and order fractions * I can identify, name and write equivalent fractions of a given fraction * I can recognise and convert mixed numbers and improper fractions * I can add and subtract fractions with the same denominator and denominators that are multiples of the same number |  |
| **LENT TERM** | Block 1 – Multiplication and division B   * I can multiply numbers up to 4 digits using a formal written method * I can multiply and divide numbers mentally * I can divide numbers up to 4 digits using the short division method * I can interpret remainders appropriately for the context * I can solve problems involving multiplication and division |  |
| Block 2 – Fractions B   * I can multiply fractions and mixed numbers by integers * I can calculate a fraction of a quantity or an amount * I can find the whole |  |
| Block 3 - Decimals and percentages   * I can read and write decimal numbers as fractions * I can recognise and use thousandths * I can round decimals with two decimal places to the nearest whole number and to one decimal place * I can read, write, order and compare numbers with up to three decimal places * I can write percentages as a fraction with denominator 100, and as a decimal |  |
| Block 4 – Perimeter and area   * 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 – Statistics   * 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 |  |
| **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 |  |
|  | Block 3 – Decimals   * I can add and subtract decimals with different numbers of decimal places * I can multiply and divide by 10, 100 and 1000 |  |
|  | Block 4 – Negative numbers   * I can count through zero in 1s and multiples * I can compare and order negative numbers * I can find the difference between a positive and negative number |  |
|  | Block 5 – Converting units   * I can convert between different units of metric measure * I can convert between metric and imperial units * I can convert between units of time |  |
|  | Block 6 – Volume   * I can compare and estimate volume * I can estimate capacity |  |