

**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
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| 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
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| 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
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| 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
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| **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
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| 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
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| 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
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| 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
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| 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
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| **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
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| 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
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|  | 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
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|  | 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
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|  | 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
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|  | Block 6 – Volume* I can compare and estimate volume
* I can estimate capacity
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