

**Year 6 Maths Targets**

|  |  |  |
| --- | --- | --- |
| **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 |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Term** | **Definition** | **Symbol** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

|  |  |
| --- | --- |
| **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
 |  |

|  |  |  |
| --- | --- | --- |
| **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
 |  |