



## MATHS

- **Decimals (Week 1-2)**

- Identify the value of each digit in numbers given to three decimal places and multiple numbers by 10, 100 and 1000 giving answers up to 3dp
  - Multiply one digit numbers with up to 2dp by whole numbers
  - Use written division methods in cases where the answer has up to two decimal places
  - Solve problems which require answers to be rounded to specified degrees of accuracy

- **Percentages (Week 3)**

- Solve problems involving the calculation of percentages and the use of percentages for comparison
  - Recall and use equivalences between simple FDP including in different contexts

- **Measurement (Week 4-6)**

- Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate
- Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3dp
  - Convert between miles and kilometres
  - Recognise that shapes with the same areas can have different perimeters and vice versa
    - Calculate, estimate and compare volume of cube and cuboids

- **Algebra (Week 7-8)**

- Use simple formulae – Generate and describe linear number sequences. Express missing number problems algebraically

- **Ratio (Week 9-10)**

- Solve Problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts
- Solve problems involving unequal sharing

- **Geometry & Statistics (Week 11-12)**

- Work with circumference, radius and diameter
- Construct and interpret pie charts and line graphs



## **MENTAL MATHS**

- Use divisibility tests to aid mental calculation
  - Use place value and number facts in mental multi ( $40,000 \times 6 = 24,000$ )
- Identify common factors, common numbers and prime numbers and use factors in mental division ( $438 \div 6$  is  $219 \div 3$ )
- Identify common factors, common numbers and prime numbers and use factors in mental multiplication (e.g  $326 \times 6$  is  $652 \times 3$ )
- Know by heart all multiplication and division facts up to  $12 \times 12$ . Apply and extend
  - Add positive number to negative numbers (e.g calculate a rise in temp)

