



Half Termly Curriculum Overview

Year 6 Spring Term 2020

First half

Number - Fractions

Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions.

Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams

Multiply simple pairs of proper fractions, writing the answer in its simplest form.

Divide proper fractions by whole numbers

Use their knowledge of the order of operations to carry out calculations involving the four operations.

Number - Decimals

Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places.

Associate a fraction with division and calculate decimal fraction equivalents.

Use written division methods in cases where the answer has up to two decimal places.

Geometry

Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.

Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius.

Recognise, describe and build simple 3-D shapes, including making nets.

Second half

Number - percentages

Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.

Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison

Multiply simple pairs of proper fractions, writing the answer in its simplest form.

Measurement - perimeter and area, volume

Recognise that shapes with the same areas can have different perimeters and vice versa.

Recognise when it is possible to use formulae for area and volume of shapes

Calculate the area of parallelograms and triangles.

Recognise when it is possible to use formulae for area and volume of shapes.

Number - algebra

Generate and describe linear number sequences.

Use simple formulae.

Express missing number problems algebraically.

Find pairs of numbers that satisfy an equation with two unknowns.

Enumerate possibilities of combinations of two variables.

Find pairs of numbers that satisfy an equation with two unknowns.

Homework

- **Maths:** Homework is set to consolidate work covered in class. It is sent out on a Friday and must please be returned the following Wednesday.
- In addition, all children must continue to revise their multiplication tables building up the speed and accuracy with which they recall all facts to 12x12.