

Year 5 Term 3 Maths Overview

This Maths overview is aimed to highlight areas that we will be covering throughout Term 3 in Year 5. Exactly what is covered each week will be down to the individual teacher and the needs of each group. There will be other commitments throughout the year which may mean that not all objectives are covered within a particular week, however there is no reason to be concerned as the Maths curriculum is a cyclical one and areas are revisited during the year.

Term 3 (11 weeks)
<p>1 Number and place value Compare and order negative numbers Count back in steps through zero Add and subtract 1, 10, 100, 1000, 10,000 and 100,000 to/from six-digit numbers Place 6-digit numbers on landmarked lines and empty lines Round 6-digit numbers to the nearest 1000, 10,000, and 100,000 Read and write Roman numerals to 1000 Recognise years written in Roman numerals Revise 2-place decimals Introduce 3-place decimals Multiply and divide by 10, 100, 1000</p>
<p>2 Multiplication, division and percentages Multiply and divide numbers mentally drawing upon known facts Solve word problems needing mental multiplication or division Introduce percentages Know equivalence between percentages and fractions Use equivalence with fractions to find percentages</p>
<p>3 Fractions and subtraction Use equivalence to compare and order fractions; Convert improper fractions to mixed numbers Revise adding and subtracting fractions with related denominators Add and subtract mixed numbers with related denominators Revise column subtraction of 5-digit numbers Choose counting up (Frog), counting back or column subtraction</p>
<p>4 Angles and polygons Day 1: Draw and measure angles with a protractor Recognise acute, obtuse and reflex angles Know that angles on a straight line add up to 180°; use this to find missing angles Know that angles on a straight line add up to 360° and use this to find missing angles Day 5: Draw polygons to given dimensions and angles</p>
<p>5 Multiplication and division Find common multiples and common factors. Solve problems requiring scaling by simple fractions. Recognise and use square numbers and cube numbers. Use short division to divide 4-digit numbers by single-digit numbers, including those which leave a remainder. Use short division to divide 4-digit numbers by single-digit numbers, expressing the remainders as fractions.</p>
<p>6 Written multiplication Use short multiplication to multiply 4-digit numbers by single-digit numbers.</p>

Use grid method to multiply 2-digit numbers by 2-digit numbers.
Use grid method to multiply 3-digit numbers by 2-digit numbers.
Use long multiplication to multiply pairs of 2-digit numbers (one number less than 20).
Use long multiplication to multiply 3-digit numbers by 2-digit numbers (where the 2-digit number is less than 20).

7 Written multiplication and multiplication of fractions

Use long multiplication to multiply pairs of 2-digit numbers together where one < 30 .
Use long multiplication to multiply pairs of 2-digit numbers together where one number is less than 30.
Use long multiplication to multiply a 3-digit number by a 2-digit number less than 30; Use rounding to estimate answers.
Revise multiplying fractions by whole numbers; Simplify answers.
Multiply mixed numbers by whole numbers.

8 Measures, data and time

Read timetables using the 24-hour clock; calculate time intervals.
Calculate time intervals and find a time a given number of minutes or hours and minutes later.
Draw and interpret line graphs and read intermediate points.
Draw and interpret line graphs and read intermediate points; Introduce rate.
Solve problems involving rate.

9 Place value and Subtraction

Revise place value in numbers with three decimal places; Convert between kilograms and grams, litres and millilitres, metres and kilometres.
Compare and order numbers with three decimal places and place on a line.
Revise using counting up (Frog) to subtract pairs of numbers with two decimal places.
Revise using counting up (Frog) to subtract numbers with different numbers of decimal places (1 or 2);
Solve subtraction word problems.
Use counting up to find change and differences between prices; Check subtraction with addition.

10 Calculation

Revise column addition of whole numbers, decimals and money.
Revise column subtraction of whole numbers and counting up (Frog) to subtract decimals including money; choose a method.
Revise short division of 4-digit numbers, expressing remainders as fractions.
Solve single and multi-step problems, working out which calculation(s) are necessary.
Understand and use equivalence.

11 Problem solving

Assess and review
End of year maths race
Roman numerals