

NEW MATHS CURRICULUM OBJECTIVES YEAR 3

Number and Place Value
To count from zero in multiples of 4, 8, 50 and 100
To find 10 or 100 more or less than a number
To recognise the place value of each digit in a three digit number
To compare and order numbers up to 1000
To read and write numbers up to 1000 in numerals and in words
To solve number problems using number knowledge
To identify, represent and estimate numbers using different representations:
To use partitioning to show numbers in different ways
To estimate numbers on different number lines and scales

Calculations
Addition and Subtraction
To add and subtract numbers mentally: Add 1s,10s and 100s to a 3 digit number Subtract 1s,10s and 100s from a 3 digit number
Add and subtract numbers with up to 3 digits using a formal written method (column)
To estimate the answer to a calculation and use the inverse operation to check
Solve problems including: *missing number problems *using number facts *place value *more complex addition and subtraction
Multiplication and Division
To recall and use multiplication and division facts for the 3,4 and 8 times tables
To write and calculate mathematical statements for multiplication and division using times tables (including 2 digit by 1 digit, using mental and progressing to formal written methods)
To solve problems: *missing number problems *integer scaling problems *correspondence problems in which n objects and connected to m objects

Fractions, Decimals and Percentages
To count up and down in tenths
To recognise that tenths come from dividing an object or one digit number by 10
To recognise and find fractions (unit fractions and non-unit fractions)
To recognise and draw equivalent fractions with small denominators
To add and subtract fractions with the same denominator within a whole (eg. $\frac{2}{7} + \frac{3}{7} = \frac{5}{7}$)
To compare and order unit fractions and fractions with the same denominator
To solve problems that involve fractions.

Measurement
To measure, compare add and subtract: lengths (m/cm/mm); mass (kg/g); volume and capacity (l/ml)

NEW MATHS CURRICULUM OBJECTIVES YEAR 3

To measure the perimeter of simple 2D shapes

To add and subtract money to give change

To tell and write the time from an analogue clock, including roman numerals from I to XII, and 12 hour and 24 hour clocks

To estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock; use vocabulary (am/pm, morning/afternoon, noon/midnight)

To know the number of seconds in a minute and the number of days in each month, year and leap year.

To compare durations of events - start/finish times

Geometry

To draw and describe 2D shapes

To recognise and describe 3D shapes, to make them using modelling materials

To recognise that angles are a property of a shape and to know

*two right angles make a half-turn

*three right angles make a three quarter turn

*four right angles make a complete turn

To identify angles that are more or less than a right angle

To identify horizontal and vertical lines and pairs of perpendicular and parallel lines.

Statistics

To interpret and present data using bar charts, pictograms and tables.

To solve one step and two step questions such as "How many more?" and "How many fewer?" using information from tables, bar charts and pictograms.