



## MATHS CURRICULUM Y3

Y3

### AUTUMN

**NUMBER: Place value**

- Identify, represent and estimate numbers using different representations
- Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)
- Compare and order numbers up to 1000
- Read and write numbers up to 1000 in numerals and in words
- Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number
- Solve number problems and practical problems involving these ideas

**NUMBER: Addition and Subtraction**

- Add and subtract numbers mentally including: a three-digit number with ones, tens or hundreds
- Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction
- Estimate and use inverse operations to check answers to a calculation
- Solve problems including missing number problems, using number facts and more complex addition and subtraction

**NUMBER: Multiplication and Division (1)**

- Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number
- Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
- Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods

### SPRING

**NUMBER: Multiplication and Division (B)**

- Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods

- recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables

- Solve calculation problems involving multiplication and division, including missing number problems, simple positive integer scaling and simple correspondence problems in which  $n$  objects are connected to  $m$  objects

**MEASUREMENT: Length and Perimeter**

- Measure, compare, add and subtract: lengths (m/cm/mm)

- Measure the perimeter of simple 2D shapes

**NUMBER: Fractions (A)**

- Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10

- Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators

- Recognise, find and write fractions of a discrete set of objects, unit fractions and non-unit fractions with small denominators

- Recognise and show, using diagrams, equivalent fractions with small denominators

- Compare and order unit fractions and fractions with the same denominators

- Solve problems with fractions from the Year 3 curriculum

**MEASUREMENT: Mass and Capacity**

- Measure, compare, add and subtract: mass (kg/g); volume/capacity (l/ml)

### SUMMER

**NUMBER: Fractions (B)**

- Add and subtract fractions with the same denominator within one whole for example  $5/7 + 1/7 = 6/7$

- Solve problems with fractions from the Year 3 curriculum

**MEASUREMENT: Money**

- Add and subtract amounts of money to give change, using both £ and p in practical contexts

**MEASUREMENT: Time**

- Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks

- Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight

- Know the number of seconds in a minute and the number of days in each month, year and leap year

- compare durations of events [for example to calculate the time taken by particular events or tasks]

**GEOMETRY: Property of Shapes**

- Recognise angles as a property of shape or a description of a turn

- Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn

- Identify whether angles are greater than or less than a right angle I can draw 2-D shapes

- Identify horizontal and vertical lines and pairs of perpendicular and parallel lines

- Recognise 3D shapes in different orientations and describe them I can make 3D shapes using modelling materials

**STATISTICS**

- Solve one step and two step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in bar charts and pictograms and tables

- Interpret and present data in bar charts, pictograms and tables