

# Year 3 Learning Journey



## Getting Ready for Year 4

Solve one-step and two-step questions [e.g. 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.

Interpret and present data using bar charts, pictograms and tables

Compare and sort common 2-D and 3-D shapes and everyday objects

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

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

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

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

Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them

Identify right angles, recognise that two right angles make a halfturn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle

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

Measure the perimeter of simple 2-D shapes

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

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 such as a.m./p.m., morning, afternoon, noon and midnight (appears also in Telling the Time)

Compare durations of events, for example to calculate the time taken by particular events or tasks

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

Add and subtract fractions with the same denominator within one whole (e.g.  $5/7 + 1/7 = 6/7$ )

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

Count up and down in tenths

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

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 and show, using diagrams, equivalent fractions with small denominators

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 problems, including missing number problems, using number facts, place value, and more complex addition and subtraction

Estimate the answer to a calculation and use inverse operations to check answers

Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction

Add and subtract numbers mentally, including: \* a three-digit number and ones \* a three-digit number and tens \* a three-digit number and hundreds

Count from 0 in multiples of 4, 8, 50 and 100;

Find 10 or 100 more or less than a given number

Identify, represent and estimate numbers using different representations

Read and write numbers up to 1000 in numerals and in words

Compare and order numbers up to 1000

Solve number problems and practical problems involving these ideas.

Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)

## Starting Year 3