



# Year One Mathematics



By the end of Year 1 pupils should be able to:

## Number and Place Value

- Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
- Count, read and write numbers to 100 in numerals, count in different multiples including ones, twos, fives and tens
- Given a number, identify one more and one less
- Identify and represent numbers using concrete objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
- Read and write numbers from 1 to 20 in digits and words

## Addition and Subtraction

- Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs
- Represent and use number bonds and related subtraction facts within 20
- Add and subtract one-digit and two-digit numbers to 20 ( $9 + 9$ ,  $18 - 9$ ), including zero
- Solve simple one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems.

## Multiplication and Division

- Solve simple one-step problems involving multiplication and division, calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.

## Fractions

- Recognise, find and name a half as one of two equal parts of an object, shape or quantity
- Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.

## Measures

Compare, describe and solve practical problems for:

- Lengths and heights (e.g. long/short, longer/shorter, tall/short, double/half)
- mass or weight (e.g. heavy/light, heavier than, lighter than)
- Capacity/volume (full/empty, more than, less than, quarter)
- Time (quicker, slower, earlier, and later)

## **Measures cont.**

Measure and begin to record the following:

- Lengths and heights
- mass/weight
- Capacity and volume
- Time (hours, minutes, and seconds)
  
- Recognise and know the value of different denominations of coins and notes
- Sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening
- Recognise and use language relating to dates, including days of the week, weeks, months and years
- Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.

## **Geometry: properties of shapes**

- Recognise and name common 2-D and 3-D shapes, including:
- 2-D shapes (e.g. rectangles (including squares), circles and triangles)
- 3-D shapes (e.g. cuboids (including cubes), pyramids)

## **Geometry: position, direction, motion**

- Order and arrange combinations of objects and shapes in patterns
- Describe position, directions and movements, including half, quarter and three-quarter turns