

# Y3 Maths Statements

## Place Value

- count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number (A1) (A3)
- recognise the place value of each digit in a three-digit number (hundreds, tens, ones) (A1)
- compare and order numbers up to 1000 (A1)
- identify, represent and estimate numbers using different representations (A1)
- read and write numbers up to 1000 in numerals and in words (A1)
- solve number problems and practical problems involving these ideas. (A1)

## Addition and Subtraction

- add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds (A2)
- add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction (A2)
- estimate the answer to a calculation and use inverse operations to check answers (A2)
- solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. (A2)

## Geometry

- draw 2-D shapes (Su3)
- make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them (Su3)
- recognise angles as a property of shape or a description of a turn (Su3)
- 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 (Su3)
- identify horizontal and vertical lines and pairs of perpendicular and parallel lines. (Su3)

## Multiplication and Division

- recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables (A3)
- 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 (A3) (Sp1)
- 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. (Sp1)

## Measurement

- measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) (Sp4) (Su4)
- measure the perimeter of simple 2-D shapes (Sp4)
- add and subtract amounts of money to give change, using both £ and p in practical contexts (Sp2)
- tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks (Su2)
- 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 (Su2)
- know the number of seconds in a minute and the number of days in each month, year and leap year (Su2)
- compare durations of events [for example to calculate the time taken by particular events or tasks]. (Su2)

## FDP

- 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 (Sp5)
- recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators (Sp5)
- recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators (Sp5)
- recognise and show, using diagrams, equivalent fractions with small denominators (Su1)
- add and subtract fractions with the same denominator within one whole [for example,  $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$ ] (Su1)
- compare and order unit fractions, and fractions with the same denominators (Su1)
- solve problems that involve all of the above. (Sp5) (Su1)

## Algebra

- solve problems including missing number problems

## Statistics

- interpret and present data using bar charts, pictograms and tables (Sp3)
- solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables. (Sp3)