



H.C.J.S - Year 3 Mathematics

These expectations are based upon the National Curriculum. The skills outlined below consolidate, develop and extend those skills taught in previous years.

By the end of Year 3, we would expect the majority of pupils to be able to:

Year 3 Key Skills – Number

- count from 0 in multiples of 100
- find 10 or 100 more or less than a given number
- count from 0 in multiples of 4, 8 and 50.
- recognise the place value of each digit in a three-digit number (hundreds, tens, ones).
- read and write numbers up to 1000 in numerals and in words.
- compare and order numbers up to 1000
- round whole numbers up to 100 to the nearest 10.
- mentally add and subtract numbers including a three-digit number with ones, tens or hundreds.
- calculate mentally using multiplication and division facts for the 3, 4 and 8 multiplication tables, including two-digit numbers times one digit numbers.
- recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.
- add and subtract numbers with up to three digits, using formal columnar methods of addition and subtraction.
- 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.

Year 3 Key Skills – Fractions, decimals and percentages

- recognise, find and write fractions of a discrete set of objects, unit fractions with small denominators.
- recognise, find and write fractions of a discrete set of objects, non-unit fractions with small denominators.
- 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 show, using diagrams, equivalent fractions with small denominators.
- recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.

Year 3 Key Skills – Measurement

- convert between analogue and 12-hour digital clocks.
- know the number of seconds in a minute and the number of days in each month, year and leap year.
- become confident in exchanging between £ and p when handling money.
- record measurements using mixed units, e.g. 1 kg 200 g.
- tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks.
- measure the perimeter of simple 2-D shapes.
- add and subtract amounts of money to give change, recording £ and p separately.

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

Year 3 Key Skills – Geometry

- draw 2-D shapes with straight sides measured in cm.
- make 3-D shapes using modelling materials e.
- identify horizontal and vertical lines and pairs of perpendicular and parallel lines.
- describe 2-D shapes using accurate language, including lengths of lines and angles greater or less than a right angle.
- recognise 3-D shapes in different orientations and describe them.
- 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.
- mark a given square on a grid, e.g. A3.

Year 3 Key Skills – Statistics

- present and interpret data in bar charts, pictograms and tables.