Maths - Year 1 Key Objectives (Statutory)

Number – Number and Place Value
1 Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
2 Count, read and write numbers to 100 in numerals
3 Count in multiples of twos, fives and tens
4 Given a number, identify one more and one less
5 Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
6 Read and write numbers from 1 to 20 in numerals and words
Number – Addition and Subtraction
7 Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs
8 Represent and use number bonds and related subtraction facts within 20
9 Add and subtract one-digit and two-digit numbers to 20, including zero
10 Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = □ - 9
Number – Multiplication and Division
11 Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher
Number – Fractions
12 Recognise, find and name a half as one of two equal parts of an object, shape or quantity
13 Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity
Measurement
14 Compare, describe and solve practical problems for lengths and heights (for example, long/short, longer/shorter, tall/short, double/half)
15 Compare, describe and solve practical problems for mass/weight (for example, heavy/light, heavier than, lighter than)
16 Compare, describe and solve practical problems for capacity and volume (for example, full/empty, more than, less than, half, half full, quarter)
17 Compare, describe and solve practical problems for time (for example, quicker, slower, earlier, later)
18 Measure and begin to record lengths and heights, mass/weight, capacity and volume, time (hours, minutes, seconds)
19 Recognise and know the value of different denominations of coins and notes
20 Sequence events in chronological order using language (for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening)
21 Recognise and use language relating to dates, including days of the week, weeks, months and years
22 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
23 Recognise and name common 2-D shapes (for example, rectangles (including squares), circles and triangles)
24 Recognise and name common 3-D shapes (for example, cuboids (including cubes), pyramids and spheres)
Geometry – Position and Direction
25 Describe position, direction and movement, including whole, half, quarter and three-quarter turns

Maths - Year 1 Key Objectives (Non-Statutory)

Number – Number and Place Value
1 Practise counting (1, 2, 3…), ordering (for example, first, second, third…), and to indicate a quantity (for example, 3 apples, 2 centimetres), including solving simple concrete problems, until they are fluent
2 Begin to recognise place value in numbers beyond 20 by reading, writing, counting and comparing numbers up to 100, supported by objects and pictorial representations
3 Practise counting as reciting numbers and counting as enumerating objects, and counting in twos, fives and tens from different multiples to develop their recognition of patterns in the number system (for example, odd and even numbers), including varied and frequent practice through increasingly complex questions.
4 Recognise and create repeating patterns with objects and with shapes
Number – Addition and subtraction
5 Establish addition and subtraction as related operations (for example, 9 + 7 = 16; 16 – 7 = 9; 7 = 16 – 9). Realise the effect of adding or subtracting zero
6 Discuss and solve problems in familiar practical contexts, including using quantities. Problems should include the terms: put together, add, altogether, total, take away, distance between, difference between, more than and less than, to develop the concept of addition and subtraction and to use these operations flexibly
Number – Multiplication and Division
7 Group and share small quantities to begin to understand: multiplication and division; doubling numbers and quantities; and finding simple fractions of objects, numbers and quantities
8 Make connections between arrays, number patterns, and counting in twos, fives and tens
Number – Fractions
9 Solve problems using shapes, objects and quantities. For example, recognise and find half a length, quantity, set of objects or shape. Connect halves and quarters to the equal sharing and grouping of sets of objects and to measures, as well as recognising and combining halves and quarters as parts of a whole
Measurement
10 Move from using and comparing different types of quantities and measures using non-standard units to using manageable common standard units
11 Begin to use measuring tools such as a ruler, weighing scales and containers
12 Use the language of time, including telling the time throughout the day, first using o'clock and then half past
Geometry – Properties of Shapes
13 Recognise 2-D and 3-D shapes in different orientations and sizes and know that rectangles, triangles, cuboids and pyramids are not always similar to each other
Geometry – Position and Direction
14 Use the language of position, direction and motion, including: left and right, top, middle and bottom, on top of, in front of, above, between, around, near, close and far, up and down, forwards and backwards, inside and outside
15 Make whole, half, quarter and three-quarter turns in both directions and connect turning clockwise with movement on a clock face