Key Learning in Mathematics – Year 1

Number – number and place value	Number – addition and subtraction	Number – multiplication and division
§ Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number. § Count in multiples of twos, fives and tens. § Read and write numbers to 100 in numerals. § Read and write numbers from 1 to 20 in numerals and words. § *Begin to recognise the place value of numbers beyond 20 (tens and ones).* § Identify and represent numbers using objects and pictorial representations including the number line. § Use the language of: equal to, more than, less than (fewer), most, least. § Given a number, identify one more and one less. § *Recognise and create repeating patterns with numbers, objects and shapes.* § *Identify odd and even numbers linked to counting in twos from 0 and 1.* § *Solve problems and practical problems involving all of the above.*	§ 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, including zero *(using concrete objects and pictorial representations).* § Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = £ - 9.	§ *Recall and use doubles of all numbers to 10 and corresponding halves.* § 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.

Key Learning in Mathematics – Year 1

Number – fractions

§ *Understand that a fraction can describe part of a whole.*
§ *Understand that a unit fraction represents one equal part of a whole.*
§ Recognise, find and name a half as one of two equal parts of an object shape or quantity *(including measure).*
§ Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity *(including measure).*

Geometry – properties of shapes

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

Geometry – position and direction

§ Describe movement, including whole, half, quarter and three-quarter turns.
§ *Recognise and create repeating patterns with objects and shapes.*
§ Describe position and direction.

Measurement

§ Measure and begin to record:
- lengths and heights, *using non-standard and then manageable standard units (m/cm)*
- mass/weight, *using non-standard and then manageable standard units (kg/g)*
- capacity and volume *using non-standard and then manageable standard units (litres/ml)*
- time (hours/minutes/seconds)
within children's range of counting competence.
§ Compare, describe and solve practical problems for:
- lengths and heights (for example, long / short, longer / shorter. tall / short, double / half).
- mass/weight (for example, heavy / light, heavier than, lighter than).
- capacity and volume (for example, full/empty, more than, less than, half, half full, quarter).
- time (for example, quicker, slower, earlier, later).
§ Recognise and use language relating to dates, including days of the week, weeks, months and years.
§ Sequence events in chronological order using language (for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening.
§ Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.
§ Recognise and know the value of different denominations of coins and notes.

Statistics

§ *Sort objects, numbers and shapes to a given criterion and their own.*
§ *Present and interpret data in block diagrams using practical equipment.*
§ *Ask and answer simple questions by counting the number of objects in each category.*
§ *Ask and answer questions by comparing categorical data.*

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