**Key Learning in Mathematics – Year 1**

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| **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 0and 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
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| **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
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| **Number – fractions** | **Geometry – properties of shapes** |
| * *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)*
 | * 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
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| **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
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| **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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