### Key Learning in Mathematics – Year 1

<table>
<thead>
<tr>
<th>Number – number and place value</th>
<th>Number – addition and subtraction</th>
<th>Number – multiplication and division</th>
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</thead>
<tbody>
<tr>
<td>• Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.</td>
<td>• Read, write and interpret mathematical statements involving addition (+), subtraction (−) and equals (=) signs.</td>
<td>• Recall and use doubles of all numbers to 10 and corresponding halves.</td>
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<td>• Count in multiples of twos, fives and tens.</td>
<td>• Represent and use number bonds and related subtraction facts within 20.</td>
<td>• 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.</td>
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<tr>
<td>• Read and write numbers to 100 in numerals.</td>
<td>• Add and subtract one-digit and two-digit numbers to 20, including zero (using concrete objects and pictorial representations).</td>
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<tr>
<td>• Read and write numbers from 1 to 20 in numerals and words.</td>
<td>• Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = □ - 9.</td>
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<td>• <strong>Begin to recognise the place value of numbers beyond 20 (tens and ones).</strong></td>
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<td>• Identify and represent numbers using objects and pictorial representations including the number line.</td>
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<td>• Use the language of: equal to, more than, less than (fewer), most, least.</td>
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<td>• Given a number, identify one more and one less.</td>
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<td>• Recognise and create repeating patterns with numbers, objects and shapes.</td>
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<td>• Identify odd and even numbers linked to counting in twos from 0 and 1.</td>
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<td>• Solve problems and practical problems involving all of the above.</td>
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### 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.

### 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.

### 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.

### 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.