

**Fluency Development (Key Instant Recall Facts and Skills)**

**Key Skills**

| <b>Autumn</b>  | <b>Spring</b>   | <b>Summer</b>   |
|--|---|---|
| Counting forwards and backwards<br>Counting in 10s<br>Doubling and halving<br>Partitioning numbers<br>Number bonds to 20 | Counting forwards and backwards<br>Counting in 10s and 5s<br>Doubling and halving<br>Partitioning numbers<br>One more, One less<br>Recall of 10 and 5 times tables<br>Mental addition and subtraction | Counting forwards and backwards<br>Counting in 10s, 5s and 2s<br>Doubling and halving<br>Partitioning numbers<br>One more, One less<br>Recall of 2, 5, 10 times tables<br>Mental addition and subtraction<br>Compare numbers (<, > or =)<br>Order numbers |






**Key Instant Recall Facts**

| <b>Autumn 1</b>  | <b>Spring 1</b> | <b>Summer 1</b>    |
|------------------|-----------------|--------------------|
| Mastering Number | 10 times tables | 5 times table      |
| <b>Autumn 2</b>  | <b>Spring 2</b> | <b>Summer 2</b>    |
| Mastering Number | 2 times tables  | Problem of the day |

**Mastering Number Year 1**

| <b>Autumn</b>   | <b>Spring</b>   | <b>Summer</b>  |
|---|---|--|
| <ul style="list-style-type: none"> <li>Subitise within 5, using a rekenrek, and re-cap the composition of 5</li> <li>Understand numbers 6 to 9 using the '5 and a bit' structure</li> <li>Compare numbers within 10 and use precise mathematical language</li> <li>Order of numbers within 10 and connect this to '1 more' and '1 less' than a given number</li> <li>Explore the structure of even numbers (including that even numbers can be composed by doubling any number, and can be composed of 2s)</li> <li>Explore the structure of the odd numbers as being composed of 2s and 1 more</li> <li>Explore the composition of each of the numbers 6, 8, and 10</li> <li>Explore number tracks and number lines and identify the differences between them</li> </ul> | <ul style="list-style-type: none"> <li>Composition of each of the numbers 7 and 9</li> <li>Composition of odd and even numbers, seeing that even numbers can be made of two odd or two even parts, and that odd numbers can be composed of one odd part and one even part</li> <li>Identify the number that is two more or two less than a given odd or even number, identifying that two more/ less than an odd number is the next/ previous odd number, and two more/ less than an even number is the next/ previous even number</li> <li>explore the aggregation and partitioning structures of addition and subtraction through systematically partitioning and re-combining numbers within 10 and connecting this to the part-part-whole diagram, including using the language of parts and wholes</li> <li>Explore the augmentation and reduction structures of addition and reduction using number stories, including introducing the 'first, then, now' language structure</li> </ul> | <ul style="list-style-type: none"> <li>explore the composition of the numbers 11 to 19 as '10 and a bit' and compare numbers within 20</li> <li>connect the composition of the numbers 11 to 19 to their position in the linear number system, including identifying the midpoints of 5, 10 and 15</li> <li>compare numbers within 20 · understand how addition and subtraction equations can represent previously explored structures of addition and subtraction (aggregation/ partitioning/ augmentation/ reduction)</li> <li>Practise retrieving previously taught facts and reason about these</li> </ul> |

## Topic Progression

-  Pictorial and abstract representations can be used alongside each other.
-  Refer to the calculation policy for representations.
-  Children expected to draw representations in books.
-  Teach one representation at a time.
-  Use real life experiences/data collection to support understanding.

| Autumn 1   | Spring 1   | Summer 1   |
|--|--|--|
| <p><b>Number (Application of measure where applicable)</b><br/>Place Value, Positioning and Counting (5 weeks)<br/>Numbers to 100<br/>Possible apparatus: dienes and place value counters, tens frames, cubes</p> <p><b>Number (Application of measure where applicable)</b><br/>Addition and subtraction (2 weeks)<br/>Numbers within 100 (incl. money)<br/>Possible apparatus: dienes and place value counters, tens frames, cubes</p> <p><b>(7 weeks)</b></p> | <p><b>Number (4 weeks) (Application of measure where applicable)</b><br/>Multiplication and Division<br/>Possible apparatus: dienes and place value counters, tens frames, cubes</p> <p><b>Measure (1 weeks)</b><br/>Time</p> <p><b>Number</b><br/>Addition and Subtraction (2 weeks) (Application of measure where applicable)<br/>Numbers within 100<br/>Possible apparatus: dienes and place value counters, tens frames, cubes</p> <p><b>(7 Weeks)</b></p> | <p><b>Number (1 week) (Application of time where applicable)</b><br/>Fractions<br/>Possible apparatus: dienes and place value counters, tens frames, cubes</p> <p><b>Measure (Application of number (PV, A&amp;S and M&amp;D) where applicable)</b><br/>Length and Height<br/>Mass, Capacity and Temperature (3 weeks)</p> <p><b>(4 Weeks)</b></p>   |
| Autumn 2   | Spring 2   | Summer 2   |
| <p><b>Number (2 weeks)</b><br/>Addition and Subtraction (2 weeks)<br/>Numbers within 100 (incl. money)<br/>Possible apparatus: dienes and place value counters, tens frames, cubes</p> <p><b>Measure (Application of number (PV, A&amp;S) where applicable)</b><br/>Money (2 weeks)</p> <p><b>Measure (Application of number (PV, A&amp;S and M&amp;D) where applicable)</b><br/>Mass, Capacity and Temperature (3 weeks)</p> <p><b>(7 Weeks)</b></p>            | <p><b>Number (3 weeks) (Application of time where applicable)</b><br/>Fractions<br/>Possible apparatus: dienes and place value counters, tens frames, cubes</p> <p><b>Measure (1 weeks) (Application of fractions where applicable)</b><br/>Time</p> <p><b>Geometry (2 weeks)</b><br/>Properties of Shape</p> <p><b>(6 Weeks)</b></p>  | <p><b>Geometry (2 weeks)</b><br/>Position and Direction</p> <p><b>Number (1 weeks) (Application of measure where applicable)</b><br/>Multiplication and Division<br/>Possible apparatus: dienes and place value counters, tens frames, cubes</p> <p><b>Measure (1 weeks) (Application of fractions where applicable)</b><br/>Time</p> <p><b>Number/ Statistics (2 weeks) (Application of measure where applicable)</b><br/>Statistics<br/>Possible apparatus: dienes and place value counters, tens frames, cubes</p> <p><b>Consolidation and Retrieval (1 week)</b></p> <p><b>(7 weeks)</b></p> |