




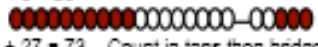
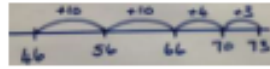

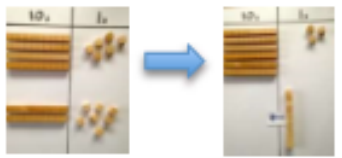





# ST PAUL'S INFANT SCHOOL

## Addition






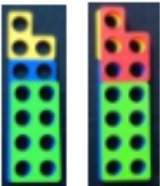






<p><b>Written Methods</b></p>	<p>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs</p>	
<p><b>Developing conceptual understanding</b></p>	<p>Number bonds</p>  <p>(Ten frame)      Numicon</p> <p>Use bonds of 10 to calculate bonds of 20</p>  <p>Count all</p>  <p>Count on</p>  <p>Count on, on number track, in 1s</p> 	<p>Number track / Number line – jumps of 1 then efficient jumps using number bonds  <math>18 + 5 = 23</math></p>  <p><math>48 + 27 = 75</math> Count in tens then bridge.</p>  <p><math>25 + 29</math> by <math>+30</math> then <math>-1</math> (Round and adjust)</p>  <p>Partition and recombine  <math>48 + 27 = 80 + 13 = 73</math></p>  <p><math>24 + 10</math>  <math>+10</math>  <math>+10 = 54</math></p> 
<p><b>With jottings</b></p> <p>... or in your head</p>	<p>Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as <math>7 = \square - 9</math></p>	<p>Add and subtract numbers using concrete objects, pictorial representations, and mentally, including:</p> <ul style="list-style-type: none"> <li>• a two-digit number and ones</li> <li>• a two-digit number and tens</li> <li>• two two-digit numbers</li> <li>• adding three one-digit numbers</li> </ul>
<p><b>Just know it!</b></p>	<p>Represent &amp; use number bonds and related subtraction facts within 20          Add and subtract one-digit and two-digit numbers to 20, including zero</p>	<p>Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</p>
<p><b>Year</b></p>	<p><b>1</b></p>	<p><b>2</b></p>
<p><b>Foundations</b></p>	<p>1 more          Number bonds: 5, 6          Largest number first          Number bonds: 7, 8          Add 10.          Number bonds: 9, 10          Ten plus ones.          Doubles up to 10          Use number bonds of 10 to derive bonds of 11</p>	<p>10 more          Number bonds: 20, 12, 13          Number bonds: 14, 15          Add 1 digit to 2 digit by bridging.          Partition second number, add tens then ones          Add 10 and multiples.          Number bonds: 16 and 17          Doubles up to 20 and multiples of 5          Add near multiples of 10.          Number bonds: 16, 19          Partition and recombine</p>



# Subtraction



<p><b>Written Methods</b></p>	<p>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs</p>	
<p><b>Developing conceptual understanding</b></p>	<p>Number bonds   (Ten frame)      Difference between 7 and 10</p> <p>8 less than 10 is 4  </p> <p>Count out, then count how many are left.  <math>7 - 4 = 3</math>  </p> <p>Count back on a number track, then number line.  <math>15 - 6 = 9</math>  </p> <p>Difference between 13 and 8  <math>13 - 8 = \underline{\quad}</math>  <math>8 + \underline{\quad} = 13</math>  </p>	<p>Number track / Number line – jumps of 1 then efficient jumps using number bonds  <math>23 - 5 = 18</math>  </p> <p>Using a number line, <math>73 - 48 = 28</math>  </p> <p>Difference between 73 – 58 by counting up, <math>58 + \underline{\quad} = 73</math>  </p> <p>Taking away and exchanging, <math>73 - 48</math>            'Where's the forty and six?'          Exchange to create 'sixty thirteen'          'Twenty seven'          'Now take away the forty and six'</p>
<p><b>With jottings ... or in your head</b></p>	<p>Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as <math>7 = \square - 9</math></p>	<p>Add and subtract numbers using concrete objects, pictorial representations, and mentally, including:</p> <ul style="list-style-type: none"> <li>* a two-digit number and ones</li> <li>* a two-digit number and tens</li> <li>* two two-digit numbers</li> <li>* adding three one-digit numbers</li> </ul>
<p><b>Just know it!</b></p>	<p>Represent and use number bonds and related subtraction facts within 20              Add and subtract one-digit and two-digit numbers to 20, including zero</p>	<p>Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</p>
<p><b>Year</b></p>	<p><b>1</b></p>	<p><b>2</b></p>
<p><b>Foundations</b></p>	<p>1 less              Number bonds, subtraction: 6, 8              Count back              Number bonds, subtraction: 7, 8              Subtract 10.              Number bonds, subtraction: 9, 10              Tens subtract 10.              Difference between</p>	<p>10 less              Number bonds, subtraction: 20, 12, 13              Number bonds, subtraction: 14, 15              Subtract 1 digit from 2 digit by bridging              Partition second number, count back in 10s then 1s              Subtract 10 and multiples of 10              Number bonds, subtraction: 16, 17              Subtract near multiples of 10              Difference between              Number bonds, subtraction: 18, 19</p>