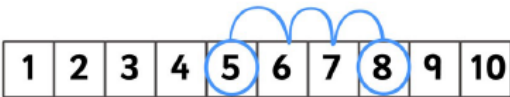
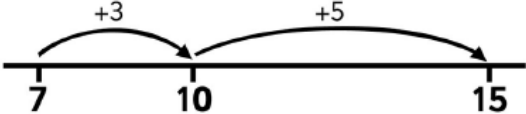
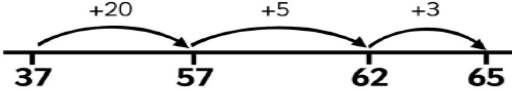


# Addition

<u>Stages</u>	<u>Examples</u>
<p><b><u>Stage 1</u></b></p> <p>Understanding numbers as labels for counting.</p>	<ul style="list-style-type: none"> <li>• Number names and order</li> <li>• Rhymes to support counting on and back</li> <li>• Matching numbers to objects (See booklet for more ideas)</li> </ul>
<p><b><u>Stage 2</u></b></p> <p>Counting sets of objects and identifying which is MORE</p> <p>(Practical and pictorial representation)</p>	<p>3 elephants is MORE than 2 elephants (Use Numicon to support)</p> <p>Link to numerals - 5 is more than ____</p>
<p><b><u>Stage 3</u></b></p> <p>Informal jottings then counting how many altogether.</p>	<p><math>3 + 5 = 8</math></p> <p>• • • + • • • • •</p>
<p><b><u>Stage 4 (Continue to use dienes/Numicon etc for support)</u></b></p> <p>Counting on a number line.</p> <p>Introduce the concept that addition can be done in any order.</p> <p>*Introduce tip to start with biggest number*</p>	<p><math>5 + 3 = 8</math></p> 
<p><b><u>Stage 5</u></b></p> <p>Introduce bridging through a multiple of 10.</p>	<p><math>7 + 8 = 15</math></p> 

# Addition

<p><b><u>Stage 6</u></b></p> <p>Using a number line and partitioning smaller number in to tens and ones.</p>	$37 + 28 = 65$ 
<p><b><u>Stage 7</u></b></p> <p>Partitioning numbers and introducing expanded column method.</p>	$\begin{array}{r} 87 \\ + 28 \\ \hline \end{array} \quad \begin{array}{r} 80 + 7 \\ 20 + 8 \\ \hline 100 + 15 = 115 \end{array}$
<p><b><u>Stage 8</u></b></p> <p>Moving to writing numbers in the more formal column method. Ensure children know to add the ones first.</p>	$\begin{array}{r} 87 \\ + 28 \\ \hline 15 \\ 100 \\ \hline 115 \end{array}$
<p><b><u>Stage 9</u></b></p> <p>This method then becomes shorter where numbers get carried in to the next column.</p> <p>*Begin with no carrying and then move on to carrying. Support with Numicon/Dienes for children who may need the visual support.</p>	$\begin{array}{r} 87 \\ + 28 \\ \hline 115 \\ \hline 11 \end{array}$
<p><b><u>Stage 10</u></b></p> <p>Extend to larger numbers as well as decimals as appropriate.</p>	
<p><b><u>Stage 11</u></b></p> <p>Negative numbers—Reading a scale, counting on and back, adding numbers involving a negative. Use vertical and horizontal lines.</p>	

**Each strategy needs lots of practice and when teaching all strategies it is important to highlight when you would use the strategy. Cover work where children choose appropriate strategies.**