





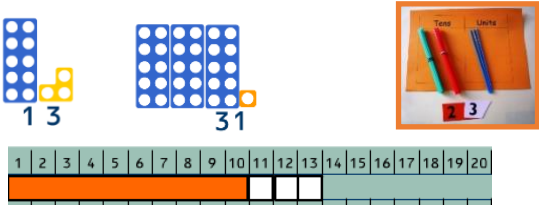
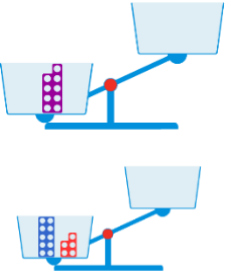


	Pre Milestone 1 Key Concepts to access milestone 1	Structured Resources and pictorial ops.	Mental strategies, problem solving, applying concepts, moving towards mastery.	Key vocabulary
Place Value	<p><b>Oral counting</b> Count to 100, backwards and forwards to and from any number. <i>Crossing 10's boundaries</i></p> <p><b>Object counting</b> Accurately counting objects 1:1. Representing with a numeral. Representing with a Numicon shape. Read and write numbers to 100.</p> <p>Counting a larger group of objects in 2's, then 10's to link with understanding of Place Value.</p> <p>Count in 10 from any number</p> <p>Compare and order numbers to 100</p>	<p>4,5,6,7,8,9,10,11,12,13,14,15,16,17 31,30,29,28,27,26,25,24,23,22,20,19,18</p>   <p><b>14 smarties</b></p>    <p><b>3, 13, 23, 33, 45, etc</b></p> 	<p>Order Numicon 1-10. Then 1-20 add numerals and objects. Make the pattern of counting in 2's,5's using Numicon Can you count from 25 to 46? Can you count back in ones from 56 – 33 Where are the 30's numbers on the 0-100 number line? Can you count up in tens starting from 4?, from 15? Etc Can you count back in tens starting from 24?, from 75? 125 Etc</p> <p>How many smarties are in the box?</p> <ul style="list-style-type: none"> <li>- Can you write the number, make it with Numicon?</li> <li>- Can you count them in 2's?</li> <li>- Can you group them in tens?</li> <li>- Can you make the number with Nuicon, dienes? Place Value cards What would 10 more be?</li> <li>- Where is the number on the numberline?</li> </ul> <p>What would the next 3 numbers in this pattern look like? Can you make them with Dienes?</p> <ul style="list-style-type: none"> <li>- How many more is 38 than 26?</li> <li>- How many fewer is 26 than 38?</li> </ul>	<p>Value Worth Amount Column Units/ones Tens Hundreds Thousands Partition Before/ After</p> <p>Digit Number Count Bigger Smaller fewer Compare</p> <p>Numeral Estimate</p> <p>Negative Minus numbers Zero</p>

<p>Use language of equal to, more than. less than.</p> <p>Recognise the Place value of each digit in a 2 digit number</p> <p>Count in multiples of 2 ,5 and 10</p>		 <p>What is the difference between 26 and 38 Which Numicon shapes can I put in the pan to make this balance?</p> <p>What about this one?</p>	<p>Sequence Pattern</p>
<p>Possible misconceptions;          One to one correspondence          Not able to count on, need to start at one each time: both oral and object counting          Confusion with teens and Ty numbers eg 13/30/31. 15/50/51. 12/20/21. 13/15 etc          Reversing other numbers, don't assume it's just a mistake.          Able to order a group of consecutive numbers, but not random numbers.</p>			