




<p>EYFS</p>	<p>Reception: ELG 2021</p> <ul style="list-style-type: none"> • Have an understanding of number to 10, linking names of numbers, numerals, their value, and their position in the counting order. • Subitise (recognise quantities without counting) up to 5. • Automatically recall number bonds for numbers 0-5 and <i>for 10</i>, including corresponding partitioning facts. • Automatically recall double facts up 5+5 • Compare sets of objects up to 10 in different contexts, considering size and difference. • Explore patterns of numbers within numbers up to 10, including evens and odds. 	
<p>Year</p>	<p>1</p>	<p>2</p>
<p>Layers of vocabulary</p>  <p>Appendix 1a Beck's Tiers of Vocabulary</p> <p>Appendix 1b: Vocabulary book</p>	<p>Basic to subject specific (Beck's Tiers): take away, distance between, difference between, less than. How many more? How much greater? How many fewer? how much more is...? – subtract, take (away), minus, leave, how many are left/left over? how many have gone? one less, two less, ten less... how many fewer is... than...? how much less is...? difference between half, halve = equals, sign, is the same as</p> <p>Instructional vocabulary: start from, start with, start at look at point, to show me</p>	<p>Basic to subject specific (Beck's Tiers): subtract, subtraction, take (away), minus leave, how many are left/left over? one less, two less... ten less... one hundred less how many fewer is... than...? how much less is...? difference between half, halve = equals, sign, is the same as tens boundary difference, partition, rearrange, inverse, place value</p> <p>Instructional vocabulary: tell me, describe, name, pick out, discuss, talk about, explain, explain your method, explain how you got your answer, give an example of... show how you...</p>
<p>NC 2014</p>	<p>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs.</p>	<p>Using concrete objects and pictorial representations, including those involving numbers, quantities and measures applying their increasing knowledge of mental and written methods</p>



	Concrete, pictorial, abstract		Concrete, pictorial, abstract		
Developing Conceptual/ Procedural Understanding	<p>Number bonds</p> <p>Ten Frames</p> <p>Difference between 7 and 10.</p> <p>2 + <input type="text"/> = 10 10 - <input type="text"/> = 3 5 + <input type="text"/> = 10 10 - <input type="text"/> = 9 <input type="text"/> + 4 = 10 10 - 0 = <input type="text"/></p> <p>Use the pattern to complete the number sentences.</p> <p>6 less than 10 is 4. Count out, then count how many are left. Remove from the set. $7 - 4 = 3$</p>	<p>Count back on a number track. $15 - 6 = 9$</p> <p>Difference between.</p> <p>$13 - 8 =$ <input type="text"/> $8 + \text{ } = 13$</p> <p>Subtraction-take away</p> <p>Jenny's cakes</p> <p>$8 - 3 = ?$</p> <p>Subtraction-finding the difference</p> <p>Peter Jenny </p> <p>How many more cakes does Peter have than Jenny? $8 - 3 = ?$</p>	<p>Develop knowledge of fact families.</p> <p>7 = 5 + 2 2 + 5 = 7 7 - 2 = 5 7 - 5 = 2</p> <p>Whole-part model</p> <p>Fill in the missing numbers</p>	<p>Whole-part model</p> <p>Re-arranging $35 - 8 =$ Tell me what you know about 8, e.g. $2 + 6$, $5 + 3$ $35 - 8 =$ Rearrange the 8 into 5 + 3 So $35 - 5 - 3 = 30 - 3 = 27$ $55 - 27 =$ Partition the 27 into 20 + 7 and rearrange the 7 into 5 + 2. So $55 - 27 = 55 - 20 - 5 - 2 = 35 - 5 - 2 = 28$</p> <p>Taking away and exchanging $73 - 46 =$</p> <p>What do we know about 76? Exchange to make '60 and 13'.</p> <p>Now take away the 46.</p>	<p>Subtract mentally pairs of multiples of 10 using known facts $60 - 20 = 40$ because $6 - 2 = 4$</p> <p>Partitioning of the second number strategy</p> <p>$74 - 47$ $74 - 40 = 34$ $34 - 4 - 3 = 27$</p> <p>Whole part model for 60 + 14</p> <p>Balance in the equation $35 - \text{ } = 31$ $\text{ } - 12 = 34$ $20 - \text{ } = 14 - 3$ (Open-ended) $18 - \text{ } = 15 - \text{ }$</p> <p>Decision making $27 - \text{ } = 12$ Sam works out $27 - 15 = 12$. How could he have done this?</p>
Known facts	Represent & use number bonds and related subtraction facts within 20 Add and subtract 1 digit and 2 digit numbers to 20, including zero		Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.		
Essential knowledge	1 less	Number bonds: subtraction 5 and 6	10 less	Number bonds: subtraction 20,12 and 13	
	Count back	Number bonds: subtraction 7 and 8	Subtract 1 digit from 2 digit by bridging	Number bonds: subtraction 14 and 15	
	Subtract 10.	Number bonds: subtraction 9 and 10	Partition second number and count back in tens then ones.	Number bonds: subtraction 16 and 17	
	Teens subtract 10	Difference between	Subtract 10 and multiples of 10.	Number bonds: subtraction 18 and 19	
			Subtract near multiples of 10.	Difference between	
			Add near multiples of 10.		



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