

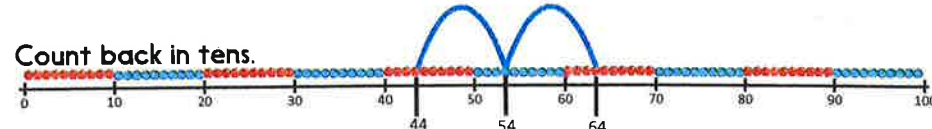

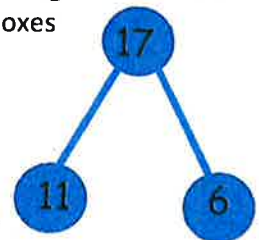

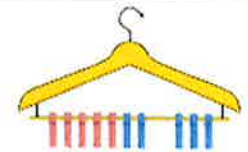


Y1	National Curriculum	Addition	Subtraction	Models and images	Maths Talk																									
	<p>read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs</p> <p>represent and use number bonds and related subtraction facts within 20 add and subtract one-digit and two-digit numbers to 20, including 0</p> <p>solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$</p>	<p>Number bonds 1-10 and 20 (addition and subtraction facts)</p> <ul style="list-style-type: none"> Concrete objects (e.g. cubes, numicon, Dienes)/fingers Bead string, bead bar Number line (physical) Part part whole bar model <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>$10 - \square = 9$</p> </div> <div style="text-align: center;">  <p>$5 + \square = 10$</p> </div> </div> <p>Add three 1-digit numbers spotting doubles or pairs to 10 ± 1 by counting on and back in ones from a given 2-digit number. ± 10 by counting on and back in tens from a given 2-digit number.</p> <div style="text-align: center;"> <p>Count back in tens.</p>  </div> <p>Add and subtract 1-digit numbers using counting on/back and known number facts Use number facts to add & subtract single-digit numbers to two-digit numbers, e.g. use $4 + 3$ to work out $24 + 3$, $34 + 3$...or $7 - 2$ to work out $27 - 2$, $37 - 2$...</p> <p>Use number facts to bridge 10 (multiples of ten)</p> <p style="color: red;">Bead strings or bead bars can be used to illustrate addition & subtraction including bridging through ten by counting back 3, then counting back 2 or $8 + 5 = 8 + 2 + 3$,</p> <div style="text-align: center;">  </div> <p>Add by putting the larger number first Missing number boxes Part-part whole</p> <div style="text-align: center;">  </div>	<p style="text-align: center;">Subtraction</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>$10 - \square = 7$</p> </div> <div style="text-align: center;">  <p>$10 - 7 = 3$</p> </div> </div> <div style="text-align: center; margin-top: 20px;"> <table border="1" style="border-collapse: collapse; width: 100px; height: 100px;"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td></tr> <tr><td>21</td><td>22</td><td style="background-color: yellow;">23</td><td>24</td><td>25</td></tr> <tr><td>31</td><td>32</td><td style="text-align: center;">🕷️</td><td>34</td><td>35</td></tr> <tr><td>41</td><td>42</td><td>43</td><td>44</td><td>45</td></tr> </table> </div>	1	2	3	4	5	11	12	13	14	15	21	22	23	24	25	31	32	🕷️	34	35	41	42	43	44	45	<p>Concrete apparatus: counting equipment, numicon, multilink, etc. Fingers for counting on/back in 1s & 10s Bead string/bead bar Number lines 100 grid Bar model Part part whole</p>	<p>Maths Talk</p> <p>Fish n chip numbers (7 n 3, ...) Frog – hopping up from smaller to larger number ‘number sense number nonsense’</p>
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Subtraction:

Counting up – Frog

$$13 - 8 =$$

Start at 8 and count on to 13 difference is 5 (counted 5 beads)



The bead bar and the number line should also be used to show that 8 - 5 means the 'difference between 8 and 5' or 'the difference between 5 and 8' and how many jumps they are apart.

Subtract by taking away – count back in ones,

$$15 - 3 = , 25 - 3 = ,$$

