

Addition and Subtraction

NUMBER BONDS					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>represent and use number bonds and related subtraction facts within 20</p> <p>Numberblocks: The Numberblocks Express- Number bonds to 5 https://www.bbc.co.uk/iplayer/episode/b0blss0t/numberblocks-series-3-the-numberblocks-express</p> <p>Numberblocks: Blast Off!- Number bonds that total ten https://www.bbc.co.uk/iplayer/episode/b08q3zx7/numberblocks-series-2-blast-off</p> <p>Numberblocks: Hiccups- partitioning numbers into smaller numbers https://www.bbc.co.uk/iplayer/episode/b0bmkmb3/numberblocks-series-3-hiccups</p> <p>Numberblocks: Five and Friends- Number bonds within 6-10 https://www.bbc.co.uk/iplayer/episode/b0bn5dz7/numberblocks-series-3-five-and-friends</p> <p>Numberblocks: Octoblock to the Rescue!- Pairs of numbers that total 8 https://www.bbc.co.uk/iplayer/episode/b0bn5hgn/numberblocks-series-3-octoblock-to-the-rescue</p> <p>Numberblocks: Ten Again- Pairs of numbers that total 10 https://www.bbc.co.uk/iplayer/episode/b0bn5k6h/numberblocks-series-3-ten-again</p>	<p>recall and use addition and subtraction facts to 20 fluently, and derive and use - related facts up to 100</p> <p>See Numberblock videos in Year 1 for addition facts within 10</p>				

MENTAL CALCULATION

<p>add and subtract one-digit and two-digit numbers to 20, including zero</p> <p>Numberblocks: Zero-concept of zero https://www.bbc.co.uk/iplayer/episode/b0bls34/numberblocks-series-3-zero</p> <p>Numberblocks: Numberblock Rally-subtraction upto 10 https://www.bbc.co.uk/iplayer/episode/b0bn5bpz/numberblocks-series-3-numberblock-rally</p> <p>Numberblocks: Mirror, mirror-doubles https://www.bbc.co.uk/iplayer/episode/b0bp2xdl/numberblocks-series-3-mirror-mirror</p> <p>Numberblocks: Balancing Bridge-addition upto 15 https://www.bbc.co.uk/iplayer/episode/m0005v9r/numberblocks-series-4-balancing-bridge</p>	<p>add and subtract numbers using concrete objects, pictorial representations, and mentally, including:</p> <ul style="list-style-type: none"> * a two-digit number and ones * a two-digit number and tens * two two-digit numbers * adding three one-digit numbers <p>Numberblocks: Mirror, mirror-doubles and addition of 3 numbers https://www.bbc.co.uk/iplayer/episode/b0bp2xdl/numberblocks-series-3-mirror-mirror</p> <p>Numberblocks: Step Squads-addition of multiple numbers https://www.bbc.co.uk/iplayer/episode/m00029vq/numberblocks-series-3-step-squads</p>	<p>add and subtract numbers mentally, including:</p> <ul style="list-style-type: none"> * a three-digit number and ones * a three-digit number and tens * a three-digit number and hundreds 		<p>add and subtract numbers mentally with increasingly large numbers</p>	<p>perform mental calculations, including with mixed operations and large numbers</p>
<p>read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs (appears also in Written Methods)</p>	<p>show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</p>				<p>use their knowledge of the order of operations to carry out calculations involving the four operations</p>