


Addition

Pre Stage	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	Stage 7
<p>Find one more than a number using objects: One more than 2 One more than 4</p> <p>Count two objects fewer than 10: 4 + 2 = 6 3 + 1 = 4 etc.</p>	<p>Number bonds to 10: 1 + 9 = 10 2 + 8 = 10 etc.</p> <p>Move on to three objects</p> <p>Number bonds of other numbers under 10:</p> <p style="text-align: center;">8</p> <p style="text-align: center;">5 + 3 = 8 4 + 4 = 8</p>	<p>Number bonds to 20: 1 + 19 = 20 12 + 8 = 20 etc.</p> <p>Add two numbers together under 20: 13 + 5 = 18 15 + 4 = 19 17 + 12 = 29 etc. (using number line or hundred square)</p> <p>Add multiples of 10 together below 100: 20 + 10 = 30 40 + 10 = 50 30 + 20 = 50 etc. (using number line or hundred square)</p>	<p>Add multiples of 10 to other numbers: 23 + 10 = 33 67 + 30 = 97 121 + 40 = 161 etc. (using number line or hundred square where necessary)</p> <p>Add two numbers together under 100: 23 + 15 = 38 35 + 24 = 59 57 + 32 = 89 etc. (using number line or hundred square)</p> <p style="text-align: center;">↓ Move on to:</p> <p>57 + 24 = 57 + 4 = 61 61 + 20 = 81</p>	<p>Add up to two three digit numbers:</p> $\begin{array}{r} \text{TU} \\ 63 \\ + 25 \\ \hline 8 \quad (3 + 5) \\ 80 \quad (60 + 20) \\ \hline 88 \end{array}$ <p>TU 77 + 48</p> $\begin{array}{r} 15 \quad (7 + 8) \\ 110 \quad (70 + 40) \\ \hline 125 \end{array}$ <p>Add up to two three digit numbers:</p> $\begin{array}{r} \text{HTU} \\ 1 \\ 257 \\ + 134 \\ \hline 391 \end{array}$ <p>(Non-carrying and carrying)</p>	<p>Add up to four digit numbers:</p> $\begin{array}{r} \text{ThHTU} \\ 1 \\ 3257 \\ + 2134 \\ \hline 5391 \end{array}$ <p>ThHTU 111 4876 + 1379</p> $\begin{array}{r} 6255 \end{array}$ <p>(Non-carrying and carrying)</p> <p>Add decimals: £3.54 + £2.78 =</p> $\begin{array}{r} 11 \\ 3.54 \\ + 2.78 \\ \hline \text{£}6.32 \end{array}$ <p>72.51m + 2.68m =</p> $\begin{array}{r} 1 \\ 72.51 \\ + 2.68 \\ \hline 75.19\text{m} \end{array}$	<p>Continue with column addition</p> <p>Move onto numbers with more than four digits</p> <p>Continue with column addition for decimals</p> <p>39.7kg + 4.84kg =</p> $\begin{array}{r} 11 \\ 39.70 \\ + 4.84 \\ \hline 44.54\text{kg} \end{array}$	<p>Continue with column addition</p> <p>Move onto numbers with more than four digits</p> <p>Continue with column addition for decimals</p>
<p>Use language such as:</p> <ul style="list-style-type: none"> - Count on - Altogether - One more/Two more etc. 							

Subtraction

Pre Stage	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	Stage 7
							
<p>Find one less than a number using objects: One less than 2 One less than 4</p>	<p>Counting back: $5 - 2 = 3$ $8 - 4 = 4$ $10 - 3 = 7$ etc. (use objects or a number line)</p>	<p>Taking away and count how many are left (using objects)</p> <p>Count back from the larger number (up to 20): $14 - 12 = 2$ $15 - 8 = 7$ $19 - 11 = 8$ etc. (using a number line or hundred square)</p> <p>Take away multiples of 10 from one another: $20 - 10 = 10$ $40 - 10 = 30$ $30 - 20 = 10$ etc. (using a number line or hundred square)</p>	<p>Subtract multiples of 10 from other numbers: $23 - 10 = 13$ $67 - 30 = 37$ $121 - 40 = 81$ etc. (using number line or hundred square where necessary)</p> <p>Subtract two digit numbers under 100: $23 - 15 = 8$ $35 - 24 = 11$ $57 - 32 = 25$ etc. (using number line or hundred square)</p> <p>Move on to:</p> <p>$57 - 24 =$ $57 - 4 = 53$ $53 - 20 = 33$</p>	<p>Subtract multiples of 10/100 from other numbers: $23 - 10 = 13$ $67 - 30 = 37$ $321 - 140 = 181$ $487 - 200 = 287$ etc. (using number line or hundred square where necessary)</p> <p>Subtraction up to two three digit numbers: $81 - 57 = 24$</p> $\begin{array}{r} 70 \quad 11 \\ \cancel{80} + \cancel{1} \\ - 50 + 7 \\ \hline 20 + 4 \end{array}$ <p>$385 - 162 = 223$</p> $\begin{array}{r} 300 + 80 + 5 \\ - 100 + 60 + 2 \\ \hline 200 + 20 + 3 \end{array}$ <p>(Non-carrying and carrying)</p>	<p>Add up to four digit numbers:</p> $\begin{array}{r} \text{Th H T U} \\ 3257 \\ - 2134 \\ \hline 1123 \end{array}$ <p>Th H T U 7 16 16 $\begin{array}{r} 4 \cancel{8} \cancel{7} \cancel{6} \\ - 1 \ 3 \ 7 \ 9 \\ \hline 3 \ 4 \ 9 \ 7 \end{array}$ (Non-borrowing and borrowing)</p> <p>Subtract decimals: $\text{£}3.54 - \text{£}2.12 =$</p> $\begin{array}{r} 3.54 \\ - 2.12 \\ \hline \text{£}1.42 \end{array}$ <p>$72.51\text{m} + 2.68\text{m} =$</p> $\begin{array}{r} 6 \ 11 \ 14 \ 11 \\ \cancel{7} \ \cancel{2} \ \cancel{5} \ \cancel{1} \\ - 2 \ . \ 6 \ 8 \\ \hline 6 \ 9 \ . \ 8 \ 3\text{m} \end{array}$	<p>Continue with column subtraction. Move onto numbers with more than four digits</p> <p>Continue with column subtraction for decimals</p>	<p>Continue with column addition. Move onto numbers with more than four digits</p> <p>Continue with column addition for decimals</p>
<p>Use language such as:</p> <ul style="list-style-type: none"> - How many are left? - Take away - Subtract 							