

Addition		
Year 4	Year 5	Year 6
<p>+ = signs and missing numbers Continue using a range of equations as in Year 1, 2 and 3 but with appropriate larger numbers.</p> <p>Partition into tens and ones and recombine Either partition both numbers and recombine or partition the second / smaller number only e.g. $55 + 37 = 55 + 30 + 7$ $= 85 + 7$ $= 92$</p> <p><i>Model negative numbers using a number line.</i></p>	<p>+ = signs and missing numbers Continue using a range of equations as in Year 1, 2 and 3 but with appropriate larger numbers and decimals.</p>	<p>+ = signs and missing numbers Continue using a range of equations as in Year 1, 2 and 3 but with appropriate larger numbers and decimals. Extend to $11.45 - 6.3 = 9.5 - \square$</p>
<p>Pencil and paper procedures $358 + 73 = 431$</p> $\begin{array}{r} 358 \\ + 73 \\ \hline 11 \\ 120 \\ 300 \\ 431 \end{array}$ <p>Extend to decimals in the context of money, recording vertically using the expanded method as above. $\pounds 35.85 + \pounds 7.32$</p> $\begin{array}{r} 35.85 \\ + 7.32 \\ \hline 00.07 \\ 01.10 \\ 12.00 \\ 30.00 \\ \hline 43.1 \end{array}$	<p>Pencil and paper procedures As year 4, leading to formal shortened method when children have a secure understanding of the expanded method. Show numbers carried underneath.</p> $\begin{array}{r} 358 \\ + 73 \\ \hline 431 \\ \hline 11 \end{array}$ <p>Extend to numbers with at least four digits $3587 + 675 = 4262$</p> $\begin{array}{r} 3587 \\ + 675 \\ \hline 4262 \\ \hline 111 \end{array}$ <p>Extend to decimals (same number of decimal places) and adding several numbers (with different numbers of digits).</p> $\begin{array}{r} 202.40 \text{ (add a zero as a place holder)} \\ + 123.89 \\ \hline 326.29 \\ \hline 1 \end{array}$	<p>Pencil and paper procedures Extend to numbers with any number of digits and decimals with 1 and 2 decimal places. $124.9 + 117.25 = 242.15$</p> $\begin{array}{r} 124.90 \text{ (add a zero as a place holder)} \\ + 117.25 \\ \hline 242.15 \\ \hline 11 \end{array}$
<p>Move to compact method as soon as possible.</p>		