

ADDITION GUIDELINES

Year Four	Year Five	Year Six										
<p><u>+ = signs and missing numbers</u> Continue using a range of equations as in Year 1 and 2 but with appropriate numbers.</p> <p><u>Partition into tens and ones and recombine</u> Either partition both numbers and recombine or partition the second number only e.g. $55 + 37 = 55 + 30 + 7$ $= 85 + 7$ $= 92$</p> <div style="text-align: center;"> </div> <p><u>Add the nearest multiple of 10, then adjust</u> Continue as in Year 2 and 3 but with appropriate numbers e.g. $63 + 29$ is the same as $63 + 30 - 1$</p> <p><u>Pencil and paper procedures</u> $367 + 185 = 431$ either or</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: right; padding-right: 20px;"> $\begin{array}{r} 367 \\ +185 \\ \hline 12 \\ 140 \\ \hline 400 \\ \hline 552 \end{array}$ </td> <td> $\begin{array}{r} 300 + 60 + 7 \\ 100 + 80 + 5 \\ 400 + 140 + 12 = 552 \end{array}$ </td> </tr> </table> <p>leading to</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: right;"> $\begin{array}{r} 367 \\ +185 \\ \hline 552 \\ \hline 11 \end{array}$ </td> <td></td> </tr> </table> <p>Extend to decimals <u>in the context of money.</u></p>	$\begin{array}{r} 367 \\ +185 \\ \hline 12 \\ 140 \\ \hline 400 \\ \hline 552 \end{array}$	$\begin{array}{r} 300 + 60 + 7 \\ 100 + 80 + 5 \\ 400 + 140 + 12 = 552 \end{array}$	$\begin{array}{r} 367 \\ +185 \\ \hline 552 \\ \hline 11 \end{array}$		<p><u>+ = signs and missing numbers</u> Continue using a range of equations as in Year 1 and 2 but with appropriate numbers.</p> <p><u>Partition into hundreds, tens and ones and recombine</u> Either partition both numbers and recombine or partition the second number only e.g. $358 + 73 = 358 + 70 + 3$ $= 428 + 3$ $= 431$</p> <div style="text-align: center;"> </div> <p><u>Add or subtract the nearest multiple of 10 or 100, then adjust</u> Continue as in Year 2, 3 and 4 but with appropriate numbers e.g. $458 + 79$ is the same as $458 + 80 - 1$</p> <p><u>Pencil and paper procedures</u> Extend to numbers with at least four digits $3587 + 675 = 4262$</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: right;"> $\begin{array}{r} 3587 \\ + 675 \\ \hline 4262 \\ \hline 111 \end{array}$ </td> <td></td> </tr> </table> <p>Revert to expanded methods if the children experience any difficulty. Extend to up to two places of decimals (same number of decimal places) and adding several numbers (with different numbers of digits).</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: right;"> $\begin{array}{r} 72.8 \\ +54.6 \\ \hline 127.4 \\ \hline 11 \end{array}$ </td> <td></td> </tr> </table>	$\begin{array}{r} 3587 \\ + 675 \\ \hline 4262 \\ \hline 111 \end{array}$		$\begin{array}{r} 72.8 \\ +54.6 \\ \hline 127.4 \\ \hline 11 \end{array}$		<p><u>+ = signs and missing numbers</u> Continue using a range of equations as in Year 1 and 2 but with appropriate numbers.</p> <p><u>Partition into hundreds, tens, ones and decimal fractions and recombine</u> Either partition both numbers and recombine or partition the second number only e.g. $35.8 + 7.3 = 35.8 + 7 + 0.3$ $= 42.8 + 0.3$ $= 43.1$</p> <div style="text-align: center;"> </div> <p><u>Add the nearest multiple of 10, 100 or 1000, then adjust</u> Continue as in Year 2, 3, 4 and 5 but with appropriate numbers including extending to adding 0.9, 1.9, 2.9 etc</p> <p><u>Pencil and paper procedures</u> Extend to numbers with any number of digits and decimals with 1, 2 and/or 3 decimal places. $13.86 + 9.481 = 23.341$</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: right;"> $\begin{array}{r} 13.86 \\ + 9.481 \\ \hline 23.341 \\ \hline 111 \end{array}$ </td> <td></td> </tr> </table> <p>Revert to expanded methods if the children experience any difficulty.</p>	$\begin{array}{r} 13.86 \\ + 9.481 \\ \hline 23.341 \\ \hline 111 \end{array}$	
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