

# Stages 4-5 Addition and Subtraction Student Planner

Stage	IALT	Personalised Activity	Computer Mathletics	Maintenance Group Box
4	1. Solve addition problems up to 100 by counting on from the largest number in my head.	<p><b>Purple NZCM Stage 4</b></p> <ul style="list-style-type: none"> <li>-Number Tile Addition p.16-23</li> <li>-Adding and Subtraction with Number Strips p.50-59 (<i>Bk 5 The Number Strip</i>)</li> <li>-Adding and Subtracting p.60-67</li> <li>-Bigger first p.68-75</li> <li>-*Find the changes p.76-83</li> <li>-Adding and subtracting more than five p.84 (<i>Bk5 Frog Jumps</i>)</li> </ul> <p><b>NNN Stage 4 Part A-</b></p> <ul style="list-style-type: none"> <li>-Working with number order up to 100 pages 7-9.</li> <li>-Using counting on to solve addition problems p.22-27</li> <li>-Counting on in tens to solve addition problems p.32-34.</li> </ul> <p><b>NNN Stage 4 Part B-</b></p> <ul style="list-style-type: none"> <li>-Adding and Subtracting up to 100 p.47-48</li> </ul> <p><b>NNN Stage 4 Part C-</b></p> <ul style="list-style-type: none"> <li>-Counting on and back p.37-44</li> <li>-Adding and Subtracting by Counting on and Back p.45...</li> </ul> <p><b>NNN Stage 4 for the Older Student-</b></p> <ul style="list-style-type: none"> <li>-Adding and Subtracting up to 100 p.54</li> <li>-Counting on and back to solve addition and subtraction problems p.21-32</li> </ul> <p><b>NNN Stages 3 and 4 Part B-</b></p> <ul style="list-style-type: none"> <li>-Counting on and back p.37-40.</li> </ul> <p><b>ENP Addition-</b></p> <ul style="list-style-type: none"> <li>-Counting on p.30</li> <li>-Counting on with the number line (1,2) p.32-33</li> </ul> <p><b>Teacher Tools Add/Sub-</b></p> <ul style="list-style-type: none"> <li>-The bigger number first p.28</li> </ul>	<p><u>Year 2 Number</u> Making Numbers Count</p> <p><u>Year 2 Number (something easier)</u> Counting forwards Reading numbers to 30</p> <p><u>Year 2 Number (something harder)</u> Making Big Numbers Count Numbers in words</p> <p><u>Year 2 Direction and Order</u> Going up Number Line Order Adding to Ten</p> <p><u>Year 2 Direction and Order (something easier)</u> Counting forwards</p> <p><u>Year 2 Direction and Order (something harder)</u> Additive Addition Number Lines</p>	<p><b>NNN Stage 4 Part A-</b></p> <ul style="list-style-type: none"> <li>-Place Value House Cards p.54</li> <li>-Sorting Cards p.52</li> <li>-Concertina Worm p.53</li> </ul> <p><b>NNN Stage 4 Part B-</b></p> <ul style="list-style-type: none"> <li>-Number Fun Cards p.52</li> </ul> <p><b>NNN Stage 4 Part C-</b></p> <ul style="list-style-type: none"> <li>-Number Blocks p.52</li> </ul>
	2. Solve subtraction problems up to 100 by counting back in my head.	<p><b>Purple NZCM Stage 4</b></p> <ul style="list-style-type: none"> <li>-Number Tile Subtraction p.24-28</li> <li>-Adding and Subtraction with Number Strips p.50-59 (<i>Bk 5 The Number Strip</i>)</li> <li>-Adding and Subtracting p.60-67</li> <li>-Bigger first p.68-75</li> <li>-*Find the changes p.76-83</li> <li>-Adding and subtracting more than five p.84 (<i>Bk5 Frog Jumps</i>)</li> </ul> <p><b>NNN Stage 4 Part A-</b></p> <ul style="list-style-type: none"> <li>-Using counting back to solve subtraction problems p.28-31.</li> </ul> <p><b>NNN Stage 4 Part B-</b></p> <ul style="list-style-type: none"> <li>-Adding and Subtracting up to 100 p.47-48</li> </ul> <p><b>NNN Stage 4 Part C-</b></p> <ul style="list-style-type: none"> <li>-Counting on and back p.37-44</li> <li>-Adding and Subtracting by Counting on and Back p.45...</li> </ul> <p><b>NNN Stage 4 for the Older Student-</b></p>	<p><u>Year 2 Number</u> Making Numbers Count</p> <p><u>Year 2 Number (something easier)</u> Counting backwards Reading numbers to 30</p> <p><u>Year 2 Number (something harder)</u> Making Big Numbers Count Numbers in words</p> <p><u>Year 2 Direction and Order</u> Going down Number Line Order Subtracting from Ten</p> <p><u>Year 2 Direction and Order (something easier)</u> Counting backwards</p>	<p><b>NNN Stage 4 Part A-</b></p> <ul style="list-style-type: none"> <li>-Place Value House Cards p.54</li> <li>-Sorting Cards p.52</li> <li>-Concertina Worm p.53</li> </ul> <p><b>NNN Stage 4 Part B-</b></p> <ul style="list-style-type: none"> <li>-Number Fun Cards p.52</li> </ul> <p><b>NNN Stage 4 Part C-</b></p> <ul style="list-style-type: none"> <li>-Number Blocks p.52</li> </ul>

		-Adding and Subtracting up to 100 p.54 -Counting on and back to solve addition and subtraction problems p.21-32 <b>NNN Stages 3 and 4 Part B-</b> -Counting on and back p.37-40. <b>ENP Subtraction-</b> -Counting back from 100 (1, 2) p.35-36 <b>Teacher Tools Add/Sub-</b> -Counting back	<u>Year 2 Direction and Order (something harder)</u> Simple Subtraction Number Lines	
	<b>3. Solve addition problems up to 100 by counting on in tens.</b>	<b>Purple NZCM Stage 4</b> -Adding and Subtracting tens p.92-97 -Adding on tens p.98-105 -Adding and Subtracting practice p.116-125 <b>NNN Stage 4 Part A-</b> -Skip counting in tens and hundreds p.16-19 <b>ENP Addition-</b> -Adding tens p.35 -Counting on tens with the hundreds chart p.37 <b>Teacher Tools Add/Sub-</b> -Adding tens p.31 -Adding ones and tens p.33 -The missing ones and tens p.35	<u>Year 2 Counting and Comparing</u> Counting by Twos Groups of Two  <u>Year 2 Counting and Comparing (something easier)</u> Counting forwards  <u>Year 2 Counting and Comparing (something harder)</u> Counting by fives Counting by Tens Groups of five  <u>Year 3 Counting and Patterns</u> Counting by Tens Colour Patterns Increasing Patterns Tallies  <u>Year 3 Counting and Patterns (something harder)</u> Groups of ten  <u>Year 3 Number Facts</u> Going Up Making Big Numbers Count  <u>Year 4 Counting and Grouping (middle)</u> Dividing Twos Groups of Three Groups of Four  <u>Year 3 Number Facts (Something harder)</u> Numbers in words Which is bigger? Nearest 100? Number lines	Hundreds board  Skip Counting forwards in Tens
	<b>4. Solve subtraction problems up to 100 by counting back in tens.</b>	<b>Purple NZCM Stage 4</b> -Adding and Subtracting tens p.92-97 -Subtracting tens p.106-115 -Adding and Subtracting practice p.116-125 <b>ENP Subtraction-</b> -Counting back in tens (1, 2) p.37-38 -Counting back in tens p.39 <b>Teacher Tools Add/Sub-</b> -Subtracting tens p.32 -Subtracting ones and tens p.34	<u>Year 3 Counting and Patterns</u> Counting by Tens Counting by Fives Counting by Patterns  <u>Year 3 Counting and Patterns (something harder)</u> Groups of five Groups of ten Decreasing Patterns  <u>Year 3 Number Facts</u> Going Down	Skip Counting backwards in tens from one hundred.  Hundreds Board

		<p>-The missing ones and tens p.35</p>	<p>Making Big Numbers Count Number Line Order</p> <p><u>Year 3 Number Facts</u> (Something easier) Making numbers count Arranging numbers</p> <p><u>Year 3 Number Facts</u> (Something harder) Numbers in words Which is smaller? Nearest 100? Number lines</p>	
5	<p><b>1. Solve simple + and - problems using doubles.</b></p>	<p><b>NNN Stages 3 and 4-</b> -Doubling numbers up to 10 p.36-38</p> <p><b>NNN Stages 3 and 4 Part B-</b> -Doubling numbers up to 10 p.29-30</p> <p><b>ENP Addition-</b> -Doubles to 5 p.22 -Doubles plus 1 to 5 p.23 -Doubles past 10 p.30</p>	<p><u>Year 4 Counting and Grouping (middle)</u> Dividing Twos Groups of Three Groups of Four</p>	<p><b>NNN S5 x and / Part b-</b> Snap page 44 and 46-49 for cards.</p>
	<p><b>2. Solve simple + and - problems using fives.</b></p>	<p><b>ENP Subtraction-</b> -Subtracting from five (1,2) p.7-8 -Using fives p.12</p> <p><b>ENP Addition-</b> -Using fives p.14 -Combinations to 10 (1,2) p.15-16</p> <p><b>Teacher Tools Add/Sub-</b> -Using fives p.14 -Crossing the fives barrier p.24</p>	<p><u>Year 4 Counting and Grouping (something harder)</u> Dividing Five</p> <p><u>Year 4 Counting and Grouping (something easier)</u> Groups of five</p>	<p>Squeeze Box</p> <p>Fly Flips</p>
	<p><b>3. Solve simple + and - problems by making tens.</b></p>	<p><b>ENP Subtraction-</b> -Subtracting 10 p.29 -Subtracting tens p.30 -Counting back in tens (1, 2) p.37-38 -Subtracting the tens first (1) p.40 -Subtracting the tens first (2) p.42</p> <p><b>ENP Addition-</b> -Making 10 first p.42 -Adding tens p.35 -Adding past 10 p.29 -Combinations to 10 (3) p.28</p> <p><b>ANP Subtraction-</b> -Breaking a 10 (1, 2) p.10-11</p> <p><b>ANP Addition-</b> -Making 10 first p.5 -Adjusting to make 10 p.24 -Adding using 10 p.11</p> <p><b>Teacher Tools Add/Sub-</b> -Make Ten p.36</p>	<p><u>Year 4 Addition and Subtraction (something easier)</u> Everyday money Who has the money? Adding to Ten Addictive Addition Simple Subtraction</p> <p><u>Year 4 Counting and Grouping (something easier)</u> Groups of Ten</p>	<p>Target</p> <p>Making Cube packets of ten.</p> <p>Binding 10 popsicle sticks.</p>
	<p><b>4. Solve 2 and 3 digit + and - problems by using tidy numbers.</b></p>	<p><b>ANP Addition-</b> -Jumping the number line (1, 2) p.16-17 -Jumping in groups of tidy ten p.20 -Grouping numbers to make 100 p.27 -Compensation strategy- rounding up p.25 -Compensation strategy- rounding down p.26</p> <p><b>ANP Subtraction-</b> -Grouping then subtracting (1, 2, 3)</p>		<p>The Card Game</p> <p>Jumping the Number line practice.</p>

		<p>p.7-9          -Missing Numbers (1, 2, 3) p.16-18          -Don't Subtract Add (1, 2, 3) p. 19, 20, 21          -When one number is near a hundred p.22          -When one number is over a hundred p.23          -Tidy numbers (1,2) p.24-25          -Tidy Problems p. 26  <b>Teacher Tools Add/Sub-</b>          -Compatible numbers p.37          -Jumping the number line p.44          -Don't subtract add p.45  <b>NZCM Red Bk EA</b>          Adding using tidy numbers pages 78-81</p>		
<p><b>5. Solve 2 and 3 digit + and - problems by using place value.</b></p>		<p><b>ENP Subtraction-</b>          -Subtracting tens, then ones p.41          -Subtracting a group of tens first p.43          -Subtracting tens from a 3-digit number p.44  <b>ENP Addition-</b>          -Counting on tens with the hundreds chart p.36          -Adding one and tens on a hundreds chart p.37          -Adding ones and tens (1, 2, 3) p.38-40          -Breaking to 10 p.42          -Over the tens p.43          -Adding up over the tens p.44          -Missing ones and tens (1, 2, 3) p.45-47  <b>ANP Addition-</b>          -Adding ones and tens (1,2) p.16-17          -Adding hundreds then tens then ones (1, 2) p.28-29          -3 digit addition with no trading p.35          -3 digit addition with trading to the tens p.36          -3 digit addition with trading to the hundreds p.37          -3 digit addition with trading to the tens and hundreds p.38  <b>ANP Subtraction-</b>          -Three or more at a time (1, 2) p.31-32          -The written algorithm for subtraction p.35          -3-digit subtraction with trading p.36          -3 digit subtraction with trading in the tens p.37          -Subtraction with trading in the hundreds p.38          -Trading in every column p.39  <b>Teacher Tools Add/Sub-</b>          -Adding ones and tens p.33          -Subtracting ones and tens p.34          -The missing ones and tens p.35          -Subtraction in parts p.38          -Up and over the tens p.39          -Adding in parts p.40          -How many ten dollar notes p.42</p>	<p><u>Year 4 Addition and Subtraction (something easier)</u>          Adding to Ten          Addictive Addition          Simple Subtraction</p>	<p>Questions on board or in modelling book.</p> <p>Story problems.</p> <p>Chn write story problems and swap with buddy.</p> <p>"If this is the answer what was the question?" – Chn brainstorm 5 possible solutions and record their working. TPS</p> <p>Number lines</p>

	<b>E1. Use more than one strategy when solving + and - problems.</b>	<b>ENP Subtraction-</b> -Word Problems (1, 2) p.45-46 <b>ENP Addition-</b> Using strategies p.48 <b>ANP Subtraction-</b> -Mental strategies (1, 2) p.40-41 -Subtraction and addition skills p.45 -Problem solving p.46	<u>Year 4 Addition and Subtraction (middle)</u> Are you ready? Magic Mental Addition Magic Mental Subtraction	Thousands Book Game- Secret Number Target Number Fans EA Tens Frames Arrow Cards
	<b>E2. Select the most efficient strategy for a problem.</b>	<b>ENP Subtraction-</b> -Word problems 1 p.45 -Word problems 2 p.46  <b>NZCM Red Bk EA</b> -Adding and subtracting practice 2 pages 74-77 -Adding and subtracting practice 3 page 92-97	<u>Year 4 Addition and Subtraction (middle)</u> Are you ready? Magic Mental Addition Magic Mental Subtraction Columns that Add Columns that Subtract Money How much change? Test  <u>Year 4 Addition and Subtraction (something harder)</u> Column Addition Column Subtraction Here come the Words	Thousands Book Game- Secret Number Target Number Fans EA Tens Frames Arrow Cards