

# 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.

**Purple NZCM Stage 4**  
 -Number Tile Addition p.16-23  
 -Adding and Subtraction with Number Strips p.50-59 (*Bk 5 The Number Strip*)  
 -Adding and Subtracting p.60-67  
 -Bigger first p.68-75  
 -\*Find the changes p.76-83  
 -Adding and subtracting more than five p.84 (*Bk5 Frog Jumps*)  
**NNN Stage 4 Part A-**  
 -Working with number order up to 100 pages 7-9.  
 -Using counting on to solve addition problems p.22-27  
 -Counting on in tens to solve addition problems p.32-34.  
**NNN Stage 4 Part B-**  
 -Adding and Subtracting up to 100 p.47-48  
**NNN Stage 4 Part C-**  
 -Counting on and back p.37-44  
 -Adding and Subtracting by Counting on and Back p.45...  
**NNN Stage 4 for the Older Student-**  
 -Adding and Subtracting up to 100 p.54  
 -Counting on and back to solve addition and subtraction problems p.21-32  
**NNN Stages 3 and 4 Part B-**  
 -Counting on and back p.37-40.  
**ENP Addition-**  
 -Counting on p.30  
 -Counting on with the number line (1,2) p.32-33  
**Teacher Tools Add/Sub-**  
 -The bigger number first p.28

Year 2 Number  
 Making Numbers Count  
  
Year 2 Number  
(something easier)  
 Counting forwards  
 Reading numbers to 30  
  
Year 2 Number  
(something harder)  
 Making Big Numbers Count  
 Numbers in words  
  
Year 2 Direction and Order  
 Going up  
 Number Line Order  
 Adding to Ten  
  
Year 2 Direction and Order  
(something easier)  
 Counting forwards  
  
Year 2 Direction and Order  
(something harder)  
 Addictive Addition  
 Number Lines

**NNN Stage 4 Part A-**  
 -Place Value House Cards p.54  
 -Sorting Cards p.52  
 -Concertina Worm p.53  
  
**NNN Stage 4 Part B-**  
 -Number Fun Cards p.52  
  
**NNN Stage 4 Part C-**  
 -Number Blocks p.52

2. Solve subtraction problems up to 100 by counting back in my head.

**Purple NZCM Stage 4**  
 -Number Tile Subtraction p.24-28  
 -Adding and Subtraction with Number Strips p.50-59 (*Bk 5 The Number Strip*)  
 -Adding and Subtracting p.60-67  
 -Bigger first p.68-75  
 -\*Find the changes p.76-83  
 -Adding and subtracting more than five p.84 (*Bk5 Frog Jumps*)  
**NNN Stage 4 Part A-**  
 -Using counting back to solve subtraction problems p.28-31.  
**NNN Stage 4 Part B-**  
 -Adding and Subtracting up to 100 p.47-48  
**NNN Stage 4 Part C-**  
 -Counting on and back p.37-44  
 -Adding and Subtracting by Counting on and Back p.45...  
**NNN Stage 4 for the Older Student-**

Year 2 Number  
 Making Numbers Count  
  
Year 2 Number  
(something easier)  
 Counting backwards  
 Reading numbers to 30  
  
Year 2 Number  
(something harder)  
 Making Big Numbers Count  
 Numbers in words  
  
Year 2 Direction and Order  
 Going down  
 Number Line Order  
 Subtracting from Ten  
  
Year 2 Direction and Order  
(something easier)  
 Counting backwards

**NNN Stage 4 Part A-**  
 -Place Value House Cards p.54  
 -Sorting Cards p.52  
 -Concertina Worm p.53  
  
**NNN Stage 4 Part B-**  
 -Number Fun Cards p.52  
  
**NNN Stage 4 Part C-**  
 -Number Blocks p.52

	<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> <li><b>NNN Stages 3 and 4 Part B-</b></li> <li>-Counting on and back p.37-40.</li> <li><b>ENP Subtraction-</b></li> <li>-Counting back from 100 (1, 2) p.35-36</li> <li><b>Teacher Tools Add/Sub-</b></li> <li>-Counting back</li> </ul>	<p><u>Year 2 Direction and Order (something harder)</u> Simple Subtraction Number Lines</p>	
<p><b>3. Solve addition problems up to 100 by counting on in tens.</b></p>	<ul style="list-style-type: none"> <li><b>Purple NZCM Stage 4</b></li> <li>-Adding and Subtracting tens p.92-97</li> <li>-Adding on tens p.98-105</li> <li>-Adding and Subtracting practice p.116-125</li> <li><b>NNN Stage 4 Part A-</b></li> <li>-Skip counting in tens and hundreds p.16-19</li> <li><b>ENP Addition-</b></li> <li>-Adding tens p.35</li> <li>-Counting on tens with the hundreds chart p.37</li> <li><b>Teacher Tools Add/Sub-</b></li> <li>-Adding tens p.31</li> <li>-Adding ones and tens p.33</li> <li>-The missing ones and tens p.35</li> </ul>	<p><u>Year 2 Counting and Comparing</u> Counting by Twos Groups of Two</p> <p><u>Year 2 Counting and Comparing (something easier)</u> Counting forwards</p> <p><u>Year 2 Counting and Comparing (something harder)</u> Counting by fives Counting by Tens Groups of five</p> <p><u>Year 3 Counting and Patterns</u> Counting by Tens Colour Patterns Increasing Patterns Tallies</p> <p><u>Year 3 Counting and Patterns (something harder)</u> Groups of ten</p> <p><u>Year 3 Number Facts</u> Going Up Making Big Numbers Count</p> <p><u>Year 4 Counting and Grouping (middle)</u> Dividing Twos Groups of Three Groups of Four</p> <p><u>Year 3 Number Facts (Something harder)</u> Numbers in words Which is bigger? Nearest 100? Number lines</p>	<p>Hundreds board</p> <p>Skip Counting forwards in Tens</p>
<p><b>4. Solve subtraction problems up to 100 by counting back in tens.</b></p>	<ul style="list-style-type: none"> <li><b>Purple NZCM Stage 4</b></li> <li>-Adding and Subtracting tens p.92-97</li> <li>-Subtracting tens p.106-115</li> <li>-Adding and Subtracting practice p.116-125</li> <li><b>ENP Subtraction-</b></li> <li>-Counting back in tens (1, 2) p.37-38</li> <li>-Counting back in tens p.39</li> <li><b>Teacher Tools Add/Sub-</b></li> <li>-Subtracting tens p.32</li> <li>-Subtracting ones and tens p.34</li> </ul>	<p><u>Year 3 Counting and Patterns</u> Counting by Tens Counting by Fives Counting by Patterns</p> <p><u>Year 3 Counting and Patterns (something harder)</u> Groups of five Groups of ten Decreasing Patterns</p> <p><u>Year 3 Number Facts</u> Going Down</p>	<p>Skip Counting backwards in tens from one hundred.</p> <p>Hundreds Board</p>

		<p>-The missing ones and tens p.35</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>Making Big Numbers Count Number Line Order</p> <p><u>Year 3 Number Facts</u> <u>(Something easier)</u> Making numbers count Arranging numbers</p> <p><u>Year 3 Number Facts</u> <u>(Something harder)</u> Numbers in words Which is smaller? Nearest 100? Number lines</p>	
<b>5</b>	<p><b>1. Solve simple + and - problems using doubles.</b></p> <p><b>2. Solve simple + and - problems using fives.</b></p> <p><b>3. Solve simple + and - problems by making tens.</b></p> <p><b>4. Solve 2 and 3 digit + and - problems by using tidy numbers.</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><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><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><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><u>Year 4 Counting and Grouping</u> <u>(middle)</u> Dividing Twos Groups of Three Groups of Four</p> <p><u>Year 4 Counting and Grouping</u> <u>(something harder)</u> Dividing Five <u>Year 4 Counting and Grouping</u> <u>(something easier)</u> Groups of five</p> <p><u>Year 4 Addition and Subtraction</u> <u>(something easier)</u> Everyday money Who has the money? Adding to Ten Additive Addition Simple Subtraction</p> <p><u>Year 4 Counting and Grouping</u> <u>(something easier)</u> Groups of Ten</p>	<p><b>NNN S5 x and / Part b-</b> Snap page 44 and 46-49 for cards.</p> <p>Squeezie Box</p> <p>Fly Flips</p> <p>Target</p> <p>Making Cube packets of ten.</p> <p>Binding 10 popsicle sticks.</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>  <b>Adding to Ten</b>  <b>Additive Addition</b>  <b>Simple Subtraction</b></p>	<p>Questions on board or in modelling book.  Story problems.  Chn write story problems and swap with buddy.  “If this is the answer what was the question?” – Chn brainstorm 5 possible solutions and record their working. TPS  Number lines</p>

	<p><b>E1. Use more than one strategy when solving + and - problems.</b></p>	<p><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</p>	<p><u>Year 4 Addition and Subtraction (middle)</u> Are you ready? Magic Mental Addition Magic Mental Subtraction</p>	<p>Thousands Book Game- Secret Number Target Number Fans EA Tens Frames Arrow Cards</p>
	<p><b>E2. Select the most efficient strategy for a problem.</b></p>	<p><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</p>	<p><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</p>	<p>Thousands Book Game- Secret Number Target Number Fans EA Tens Frames Arrow Cards</p>