

# Stages 3-4 Addition and Subtraction Student Planner

Stage	IALT	Personalised Activity	Computer Mathletics	Maintenance Group Box
3	1. Solve addition problems to 10 by counting all the objects in my head.	<p>Working with imaging to solve addition problems</p> <p>Page 11-Snails</p> <p>Page 15-Hungry Hippo</p> <p>Page 20-Imaging Numbers</p> <p>Page 24-Imaging additions to 10 (1)</p> <p>Page 25-Imaging additions to 10 (2)</p> <p>Page 26-Imaging to 10 (1)</p> <p>Page 27-Imaging to 10 (2)</p> <p>Using imaging to solve addition and subtraction problems</p> <p>Page 40-Hungry Hippo and People</p> <p>Page 41-Dogs Biscuits</p> <p><b>Teacher Tools Add/Sub-</b></p> <ul style="list-style-type: none"> <li>-What's hidden p.21</li> <li>-Imaging many hands p.22</li> </ul>	<p><u>Year 3 Operations with Number</u></p> <p>Addictive Addition</p> <p>Groups of Ten</p> <p><u>Year 3 Operations with Number (something easier)</u></p> <p>Adding to Ten</p> <p><u>Year 3 Operations with Number (Something Harder)</u></p> <p>Magic Mental Addition</p> <p><u>Year 3 Counting and Patterns</u></p> <p>Counting by Tens</p> <p><u>Year 3 Counting and Patterns (Something Easier)</u></p> <p>Counting Forwards</p> <p><u>Year 3 Counting and Patterns (Something Harder)</u></p> <p>Groups of Ten</p>	<p><b>NNN Stage 3 Part A-</b></p> <ul style="list-style-type: none"> <li>-Number Ladders p.46</li> <li>-Owl Counting Sheet p.49</li> <li>-Basic Fact Cards p.50</li> </ul> <p><b>NNN Stage 3 Part B-</b></p> <ul style="list-style-type: none"> <li>-Addition and Subtraction cards p.49</li> <li>-Counting on cards p.50</li> </ul>
4	2. Solve subtraction problems to 10 by counting all the objects in my head.	<p>Page 42- Pizza</p> <p>Page 22- Using Tens Frames</p> <p>Page 23- Imaging with Tens Frames (1)</p> <p>Page 24- Imaging with Tens Frames (2)</p> <p>Page 25- Imaging from 10</p> <p>Page 26- Imaging subtraction to 10 (1)</p> <p>Page 27- Imaging subtraction to 10 (2)</p> <p>Page 43- Solve addition and subtraction problems to 20.</p> <p>Page 23- Making Tens (Teacher Tools, 2005)</p> <p>Page 21- Imaging numbers to 5 to solve add/sub problems</p> <p>Page 22- Imaging numbers up to 10 to solve add/sub problems</p> <p>Solve subtraction problems by imaging tens frames</p> <p>Page 23</p> <p>Page 24</p> <p>Page 25</p> <p>Page 26</p> <p><b>Teacher Tools Add/Sub-</b></p> <ul style="list-style-type: none"> <li>-What's hidden p.21</li> <li>-Imaging many hands p.22</li> </ul>	<p><u>Year 3 Operations with Number</u></p> <p>Simple Subtraction</p> <p><u>Year 3 Operations with Number (something easier)</u></p> <p>Subtracting from Ten</p> <p><u>Year 3 Operations with Number (Something Harder)</u></p> <p>Magic Mental Subtraction</p>	<p><b>NNN Stage 3 Part B-</b></p> <ul style="list-style-type: none"> <li>-Addition and subtraction cards p.49</li> <li>-Counting back cards p.51</li> <li>-Counting on and back cards p.52</li> <li>-Frog Game p.53</li> </ul> <p><b>NNN Stage 3 Part C-</b></p> <ul style="list-style-type: none"> <li>-Snap p.50</li> <li>-Fish p.47</li> <li>-Memory and equation boards p.52</li> </ul>
4		<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 (Bk 5)</li> </ul>	<p><u>Year 2 Number</u></p> <p>Making Numbers Count</p> <p><u>Year 2 Number</u></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>1. Solve addition problems up to 100 by counting on from the largest number in my head.</b></p>	<p><b>The Number Strip</b>            -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 (<i>Bk5 Frog Jumps</i>)  <b>NNN Stage 4 Part A-</b>            -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.  <b>NNN Stage 4 Part B-</b>            -Adding and Subtracting up to 100 p.47-48  <b>NNN Stage 4 Part C-</b>            -Counting on and back p.37-44            -Adding and Subtracting by Counting on and Back p.45...  <b>NNN Stage 4 for the Older Student-</b>            -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 Addition-</b>            -Counting on p.30            -Counting on with the number line (1,2) p.32-33  <b>Teacher Tools Add/Sub-</b>            -The bigger number first p.28</p>	<p><u>(something easier)</u>            Counting forwards            Reading numbers to 30    <u>Year 2 Number</u>  <u>(something harder)</u>            Making Big Numbers Count            Numbers in words    <u>Year 2 Direction and Order</u>            Going up            Number Line Order            Adding to Ten    <u>Year 2 Direction and Order</u>  <u>(something easier)</u>            Counting forwards    <u>Year 2 Direction and Order</u>  <u>(something harder)</u>            Addictive Addition            Number Lines</p>	<p><b>NNN Stage 4 Part B-</b>            -Number Fun Cards p.52    <b>NNN Stage 4 Part C-</b>            -Number Blocks p.52</p>
<p><b>2. Solve subtraction problems up to 100 by counting back in my head.</b></p>	<p><b>Purple NZCM Stage 4</b>            -Number Tile Subtraction p.24-28            -Adding and Subtraction with Number Strips p.50-59 (<i>Bk 5 The Number Strip</i>)            -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 (<i>Bk5 Frog Jumps</i>)  <b>NNN Stage 4 Part A-</b>            -Using counting back to solve subtraction problems p.28-31.  <b>NNN Stage 4 Part B-</b>            -Adding and Subtracting up to 100 p.47-48  <b>NNN Stage 4 Part C-</b>            -Counting on and back p.37-44            -Adding and Subtracting by Counting on and Back p.45...  <b>NNN Stage 4 for the Older Student-</b>            -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></p>	<p><u>Year 2 Number</u>            Making Numbers Count    <u>Year 2 Number</u>  <u>(something easier)</u>            Counting backwards            Reading numbers to 30    <u>Year 2 Number</u>  <u>(something harder)</u>            Making Big Numbers Count            Numbers in words    <u>Year 2 Direction and Order</u>            Going down            Number Line Order            Subtracting from Ten    <u>Year 2 Direction and Order</u>  <u>(something easier)</u>            Counting backwards    <u>Year 2 Direction and Order</u>  <u>(something harder)</u>            Simple Subtraction            Number Lines</p>	<p><b>NNN Stage 4 Part A-</b>            -Place Value House Cards p.54            -Sorting Cards p.52            -Concertina Worm p.53    <b>NNN Stage 4 Part B-</b>            -Number Fun Cards p.52    <b>NNN Stage 4 Part C-</b>            -Number Blocks p.52</p>

	<p>-Counting back from 100 (1, 2) p.35-36</p> <p><b>Teacher Tools Add/Sub-</b></p> <p>-Counting back</p>		
<p><b>3. Solve addition problems up to 100 by counting on in tens.</b></p>	<p><b>Purple NZCM Stage 4</b></p> <p>-Adding and Subtracting tens p.92-97</p> <p>-Adding on tens p.98-105</p> <p>-Adding and Subtracting practice p.116-125</p> <p><b>NNN Stage 4 Part A-</b></p> <p>-Skip counting in tens and hundreds p.16-19</p> <p><b>ENP Addition-</b></p> <p>-Adding tens p.35</p> <p>-Counting on tens with the hundreds chart p.37</p> <p><b>Teacher Tools Add/Sub-</b></p> <p>-Adding tens p.31</p> <p>-Adding ones and tens p.33</p> <p>-The missing ones and tens p.35</p>	<p><u>Year 2 Counting and Comparing</u> Counting by Twos Groups of Two</p> <p><u>Year 2 Counting and Comparing</u> (something easier) Counting forwards</p> <p><u>Year 2 Counting and Comparing</u> (something harder) 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</u> (something harder) 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</u> (middle) Dividing Twos Groups of Three Groups of Four</p> <p><u>Year 3 Number Facts</u> (Something harder) 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>	<p><b>Purple NZCM Stage 4</b></p> <p>-Adding and Subtracting tens p.92-97</p> <p>-Subtracting tens p.106-115</p> <p>-Adding and Subtracting practice p.116-125</p> <p><b>ENP Subtraction-</b></p> <p>-Counting back in tens (1, 2) p.37-38</p> <p>-Counting back in tens p.39</p> <p><b>Teacher Tools Add/Sub-</b></p> <p>-Subtracting tens p.32</p> <p>-Subtracting ones and tens p.34</p> <p>-The missing ones and tens p.35</p>	<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</u> (something harder) Groups of five Groups of ten Decreasing Patterns</p> <p><u>Year 3 Number Facts</u> Going Down 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></p>	<p>Skip Counting backwards in tens from one hundred.</p> <p>Hundreds Board</p>

(Something harder)

Numbers in words

Which is smaller?

Nearest 100?

Number lines