

Stages 5-6 Addition and Subtraction Student Planner

Stage	IALT	Personalised Activity	Computer Mathletics	Maintenance Group Box
5	<p>1. Solve simple + and - problems using doubles.</p>	<p>NNN Stages 3 and 4- -Doubling numbers up to 10 p.36-38</p> <p>NNN Stages 3 and 4 Part B- -Doubling numbers up to 10 p.29-30</p> <p>ENP Addition- -Doubles to 5 p.22 -Doubles plus 1 to 5 p.23 -Doubles past 10 p.30</p> <p>NNN S5 x and / Part B: Doubling and Halving pages 5-10.</p> <p>NNN S5 x and / - Doubling and Halving p.5 and 6</p> <p>NNN S5 + and - Part A: Doubling and Halving pages 20 -21.</p> <p>FIO- N2.1-Helping Hands p.3 N2.2 It's Not Fair p.15 BF2.3 Fizzing It Up p.5</p>	<p><u>Year 4 Counting and Grouping (middle)</u> Dividing Twos Groups of Three Groups of Four</p>	<p>NNN S5 x and / Part b- Snap page 44 and 46-49 for cards.</p>
	<p>2. Solve simple + and - problems using fives.</p>	<p>ENP Subtraction- -Subtracting from five (1,2) p.7-8 -Using fives p.12</p> <p>ENP Addition- -Using fives p.14</p> <p>Teacher Tools Add/Sub- -Combinations to 10 (1,2) p.15-16</p> <p>ENP Subtraction- -Using fives p.14 -Crossing the fives barrier p.24</p> <p>ENP Subtraction- Using Fives p.12</p> <p>FIO N2.2 Flexible Fingers p.8-9 N2.2 On Target p.11</p>	<p><u>Year 4 Counting and Grouping (something harder)</u> Dividing Five <u>Year 4 Counting and Grouping (something easier)</u> Groups of five</p>	<p>Squeezie Box Fly Flips</p>
	<p>3. Solve simple + and - problems by making tens.</p>	<p>ENP Subtraction- -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>ENP Addition- -Making 10 first p.42 -Adding tens p.35 -Adding past 10 p.29 -Combinations to 10 (3) p.28</p> <p>ANP Subtraction- -Breaking a 10 (1, 2) p.10-11</p> <p>ANP Addition- -Making 10 first p.5 -Adjusting to make 10 p.24 -Adding using 10 p.11</p> <p>Teacher Tools Add/Sub- -Make Ten p.36</p> <p>FIO N2.2 Counting Counts p.10 N2.2 On and off the Train p.14</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 Making Cube packets of ten. Binding 10 popsicle sticks.</p>

	<p>NS&AT2-3.2 Make 28 p.14 BF3 Animal Antics p.1 BF3 Carrot Country p.6 BF3-4 Diamond Dazzle p.4 BF3-4 Bunches p.1 BF3-4 Magical Tens p.1 BF3-4 Face Totals p.18</p>		
<p>4. Solve 2 and 3 digit + and - problems by using tidy numbers.</p>	<p>ANP Addition- -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>ANP Subtraction- -Grouping then subtracting (1, 2, 3) 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</p> <p>Teacher Tools Add/Sub- -Compatible numbers p.37 -Jumping the number line p.44 -Don't subtract add p.45</p> <p>FIO N2.1 Different Strokes p.2 N2.1 Birthday Time p.10 N2.2 Hitting 100 p.4 N3.3 Crazy Compatibles p.1 N3.3 Skimming Stones p.4 NS&AT2-3.1 Wrapping Up Wontons p.1 NS&AT2-3.1 50 First p.4 NS&AT2-3.2 Tidying Up p.16 N3.2 Tracking Toroa p.1 NS&AT3.1 Tidying Up p.2</p>		<p>The Card Game Jumping the Number line practice.</p>
<p>5. Solve 2 and 3 digit + and - problems by using place value.</p>	<p>ENP Subtraction- -Subtracting tens, then ones p.41 -Subtracting a group of tens first p.43 -Subtracting tens from a 3-digit number p.44</p> <p>ENP Addition- -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</p> <p>ANP Addition- -Adding ones and tens (1,2) p.16-17 -Adding hundreds then tens then ones</p>	<p><u>Year 4 Addition and Subtraction (something easier)</u> Adding to Ten Additive Addition Simple Subtraction</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>(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</p> <p>ANP Subtraction- -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</p> <p>Teacher Tools Add/Sub- -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>FIO N7/8 L.1 Caught on Camera p.14</p>		
E1. Use more than one strategy when solving + and - problems (NB: not on wall display).	<p>ENP Subtraction- -Word Problems (1, 2) p.45-46</p> <p>ENP Addition- Using strategies p.48</p> <p>ANP Subtraction- -Mental strategies (1, 2) p.40-41 -Subtraction and addition skills p.45 -Problem solving p.46</p>		
E2. Select the most efficient strategy for a problem (NB: not on wall display).	<p>ENP Subtraction- -Word Problems (1, 2) p.45-46</p> <p>ENP Addition- Using strategies p.48</p> <p>ANP Subtraction- -Mental strategies (1, 2) p.40-41 -Subtraction and addition skills p.45 -Problem solving p.46</p>		
6	<p>1. Solve + and - problems</p> <p>NZCM-Adding using tidy numbers with problems like $37+?=52$ pages 30- 31 and <u>pages 32-33</u>.</p> <p>NZCM- Adding using tidy numbers with problems like $15+27=?$ Pages 34-37</p>		The Card Game

<p>using rounding and compensation (tidy numbers).</p>	<p>NZCM-Subtracting using tidy numbers pages 38-40 and <u>pages 41-43</u></p> <p>NZCM-Adding and subtracting using tidy numbers close to 100 pages 44 and 45.</p> <p><u>NNN Stage 6- Part A:</u> Using tidy numbers to solve problems p.38</p> <p><u>NNN Stage 6-Part B:</u> Adjusting to the nearest 100 to solve problems p.21 Making tidy numbers p.23</p> <p><u>FIO-</u> (Tidy Numbers) N3.2 Tracking Toroa p.1 NS&AT3.1 Tidying Up p.2</p> <p><u>ANP Addition:</u> Adjusting to make 10 p.23 Adjusting to make 100 p.24 Compensation strategy-rounding up p.25 Compensation strategy- rounding down p.26 Grouping numbers to make 100 p.24</p> <p>Estimating answers p.34 (could work chn into rounding and compensating)</p> <p><u>ANP Subtraction:</u> When one number is near a hundred p.22 When one number is over a hundred p.23 Tidy numbers (1) p.24 Tidy numbers (2) p.25 Tidy problems p.26 Applying Mental Strategies p.29 Age on a number line p.30</p>		
<p>2. Solve + and - problems using equal additions.</p>	<p>NZCM-Subtracting using tidy numbers pages 38-40 and <u>pages 41-43</u></p> <p>NZCM-Adding and subtracting using tidy numbers close to 100 pages 44 and 45.</p> <p><u>NNN Stage 6-Part B:</u> Adjusting to the nearest 100 to solve problems p.21 Making tidy numbers p.23</p> <p><u>ANP Subtraction:</u> When one number is near a hundred p.22 When one number is over a hundred p.23 Equal Additions p.27 Equal subtractions p.28 Applying Mental Strategies p.29 Age on a number line p.30</p>		<p>The Card Game</p>
<p>3. Solve + and - problems using place value.</p>	<p>NZCM- -Subtracting using place value pages 46, 47 and 49. -Parking Numbers p.48 -Adding and subtracting tens and ones separately pages 68-69.</p> <p>*NZCM-Adding and Subtracting where large numbers roll over pages 74-75.</p> <p><u>NNN Stage 6- Part A:</u> Identifying place value p.17 Using place value to solve problems p.37</p> <p><u>NNN Stage 6-Part B:</u> Mentally adding the ones and tens separately p.16 Rolling over and rolling back p.40</p>	<p><u>Year 5 Time and Place</u> Place Value to Thousands</p> <p><u>Year 5 Time and Place (something easier)</u> Making Big Numbers Count Place Value to Millions</p> <p><u>Year 6 Rounding and Place Value (something harder)</u> Expanding Numbers Place Value to Millions Rounding Numbers</p> <p><u>Year 7 Number Rules (something easier)</u> Place Value to Thousands</p>	<p>Thousands Book Game- Secret Number</p> <p>Target</p> <p>Number Fans AA</p> <p>Tens Frames</p> <p>Arrow Cards</p>

	<p><u>ANP Subtraction:</u> Partitioning p.34</p> <p><u>FIO</u> N2.1 Hip Hip Hop p.8 N2.1 Weka Wobble p.11 N3.3 Slippery Slope p.8 N3-4.1 Money Everywhere p.1 NS&AT3.1 Megabytes of Memory p.4 N7/8 L.1 Firewood Fever p.16 N7/8 L.1 Space Zapper p.8 N7/8 L.1 Fundraiser p.6</p> <p><u>ANP Addition:</u> -Adding hundreds then tens then ones p.28 and 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 -4 digit addition with trading to the hundreds and thousands p.40 -4 digit mixed trading p.41</p>	<p><u>Year 7 Number Rules (middle)</u> Place Value to Millions <u>Year 6 Operations with Number (something easier)</u> Column Addition Column Subtraction Remainders by Tables Columns that subtract</p>	
4. Solve + and - problems using reversing.	<p>NZCM- Subtracting by adding instead pages 50-51 NZCM- Subtracting bigger numbers by adding instead pages 52-53. NZCM-Adding by subtracting instead pages 54-55.</p> <p>*NZCM- Subtracting by doing a different subtraction pages 56-57. *NZCM-Subtraction with bigger numbers by doing a different subtraction pages 58-59.</p> <p><u>FIO</u> BF3 Array Puzzles p.8</p> <p><u>ANP Addition:</u> Adding to subtract p.21 Reversing the question p.22</p> <p><u>NNN Stage 6-Part B:</u> Reversing problems and using mental methods p.20</p>		
5. Solve + and - problems using compatible numbers.	<p>NZCM- Adding and subtracting by looking for compatible numbers pages 70-73.</p> <p><u>FIO</u> (<i>Compatible Numbers</i>) N2.1 Different Strokes p.2 N2.1 Birthday Time p.10 N2.2 Hitting 100 p.4 N3.3 Crazy Compatibles p.1 N3.3 Skimming Stones p.4 NS&AT2-3.1 Wrapping Up Wontons p.1 NS&AT2-3.1 50 First p.4 NS&AT2-3.2 Tidying Up p.16</p> <p><u>ANP Addition:</u> Balancing Number sentences p.30</p> <p><u>NNN Stage 6-Part B:</u> Making balanced equations p.27 Using easy combinations in calculations p.33</p> <p><u>ANP Subtraction:</u> Three or more at a time (1) p.31 Three or more at a time (2) p.32</p>		The Card Game
6. Solve addition	<p>NZCM Adding using a standard written form pages 82-85.</p>	<p><u>Year 5 Number and Patterns (something easier)</u> Magic Mental Addition</p>	Create and solve algorithms. Check your answers on the calculator.

<p>problems using standard written form.</p>	<p>(Also see ANP Addition pages for tens and hundreds and place value)</p>	<p>Columns that add</p>	
<p>7. Solve subtraction problems using standard written form.</p>	<p>NZCM- Subtracting using a standard written form pages 86-89</p> <p><u>ANP Subtraction:</u> 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 Subtraction and addition skills p.45</p>	<p><u>Year 5 Number and Patterns (something easier)</u> Columns that subtract</p> <p><u>Year 5 Number and Patterns (middle)</u> Column Addition Column Subtraction Problems: Add and Subtract</p>	<p>Create and solve algorithms. Check your answers on the calculator. (Was this the fastest and most efficient strategy? If not which would have been faster?)</p>
<p>E1. Use more than one strategy when solving + and - problems.</p>	<p>NZCM-Mental or Written for addition and subtraction? Pages 90-91</p> <p><u>ANP Addition:</u> Choosing an appropriate strategy p.33</p> <p><u>ANP Subtraction:</u> Choose your own strategy p.33 Mental Strategies (1) p.40 Mental Strategies (2) p.41 Mental or Written? p.42 Problem Solving p.46</p> <p><u>NNN Stage 6-Part B:</u> Applying mental subtraction methods p.25 Using more than one strategy to solve problems p.42</p>	<p><u>Year 5 Number and Patterns (something harder)</u> Adding colossal columns Subtracting colossal columns Word problems Mass word Problems</p>	<p>Practice naming and using as many maths strategies as you can. (What strategies do you know? Which strategies do you need to learn or practice more?)</p>
<p>E2. Choose the most efficient strategy when solving + and - problems.</p>	<p>NZCM-Adding and Subtracting by choosing an efficient strategy pages 92-95 and 97-99</p> <p>*NZCM-Years and years page 96</p> <p><u>ANP Addition:</u> Choosing an appropriate strategy p.33</p> <p><u>ANP Subtraction:</u> Choose your own strategy p.33 Mental Strategies (1) p.40 Mental Strategies (2) p.41 Mental or Written? p.42 Problem Solving p.46</p> <p><u>NNN Stage 6-Part B:</u> Applying mental subtraction methods p.25 Using more than one strategy to solve problems p.42</p>	<p><u>Year 5 Number and Patterns (something harder)</u> Adding colossal columns Subtracting colossal columns Word problems Mass word Problems</p>	<p>Practice naming and using as many maths strategies as you can. (What strategies do you know? Which strategies do you need to learn or practice more?)</p>