

	National Curriculum Statement	All students																																																												
		Fluency	Reasoning	Problem Solving																																																										
Addition and Subtraction	<p>Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)</p>	<ul style="list-style-type: none"> Calculate $1,434 + 2,517$ using place value counters. The first number has been partitioned for you. <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Th</th> <th>H</th> <th>T</th> <th>O</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1000</td> <td style="text-align: center;">100 100</td> <td style="text-align: center;">10 10</td> <td style="text-align: center;">1 1</td> </tr> <tr> <td></td> <td style="text-align: center;">100 100</td> <td style="text-align: center;">10</td> <td style="text-align: center;">1 1</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Can you solve $4,023 - 2,918$ using place value counters? Make the bigger number and take the smaller number away. Julie has 1,578 stamps. Heidi has 2,456 stamps. How many stamps do they have altogether? Show how you can check your answer using the inverse. Adam earns £37,566 pounds a year. Sarah earns £22,819 a year. How much do they earn altogether? They have to pay £7,887 income tax per year. How much are they left with after this is taken off? 	Th	H	T	O	1000	100 100	10 10	1 1		100 100	10	1 1	<ul style="list-style-type: none"> There are mistakes in the following calculations. <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: right; padding-right: 20px;">2451</td> <td style="text-align: right;">782</td> </tr> <tr> <td style="text-align: right;">$+562$</td> <td style="text-align: right;">-435</td> </tr> <tr> <td style="text-align: right;">8071</td> <td style="text-align: right;">353</td> </tr> </table> <p>Explain the mistake and then make a correction to find the correct answer.</p> <ul style="list-style-type: none"> Here is an addition sentence with whole numbers and digits missing. <p style="text-align: center;"> + 3,475 = 624</p> <p>What numbers could go in the boxes? How many different answers are there? Convince me.</p> <ul style="list-style-type: none"> A five digit number and a four digit number have a difference of 4,365. Give me three possible pairs of numbers. 	2451	782	$+562$	-435	8071	353	<ul style="list-style-type: none"> Find the missing numbers in these calculations. <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: right; padding-right: 10px;">3</td> <td style="text-align: right; padding-right: 10px;">4</td> <td style="text-align: right; padding-right: 10px;"></td> <td style="text-align: right; padding-right: 10px;">1</td> <td style="text-align: right;"></td> </tr> <tr> <td style="text-align: right;">$-$</td> <td style="text-align: right;"></td> <td style="text-align: right;">4</td> <td style="text-align: right;">8</td> <td style="text-align: right;">2</td> </tr> <tr> <td colspan="5" style="border-top: 1px solid black;"></td> </tr> <tr> <td style="text-align: right; padding-right: 10px;">2</td> <td style="text-align: right; padding-right: 10px;">9</td> <td style="text-align: right; padding-right: 10px;">2</td> <td style="text-align: right; padding-right: 10px;"></td> <td style="text-align: right;">4</td> </tr> </table> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: right; padding-right: 10px;">6</td> <td style="text-align: right; padding-right: 10px;"></td> <td style="text-align: right; padding-right: 10px;">0</td> <td style="text-align: right; padding-right: 10px;">2</td> <td style="text-align: right;"></td> </tr> <tr> <td style="text-align: right;">$+$</td> <td style="text-align: right;">5</td> <td style="text-align: right;"></td> <td style="text-align: right;">5</td> <td style="text-align: right;">1</td> </tr> <tr> <td colspan="5" style="border-top: 1px solid black;"></td> </tr> <tr> <td style="text-align: right; padding-right: 10px;"></td> <td style="text-align: right; padding-right: 10px;">9</td> <td style="text-align: right; padding-right: 10px;">1</td> <td style="text-align: right; padding-right: 10px;">8</td> <td style="text-align: right;">0</td> </tr> </table> <ul style="list-style-type: none"> My answer is 5,398. What's the question? Create 3 addition calculations. Create 3 subtraction questions. Did you use a strategy? Explain it. 	3	4		1		$-$		4	8	2						2	9	2		4	6		0	2		$+$	5		5	1							9	1	8	0
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