



# Progression in Calculations. Y5

## Addition.

<p><b>Year 5</b></p> <p><b>Add More than 4-digits</b></p> <p>Children will build upon previous learning of column addition. They will now look at numbers with more than four digits and use their place value knowledge to line the numbers up accurately.</p> <p>Children use a range of manipulatives to demonstrate their understanding and use of pictorial representations to support their problem solving.</p>	<p>Ron uses place value counters to calculate <math>4,356 + 2,435</math></p>  <table border="1" data-bbox="1541 296 1955 464"> <thead> <tr> <th></th> <th>Th</th> <th>H</th> <th>T</th> <th>O</th> </tr> </thead> <tbody> <tr> <td></td> <td>4</td> <td>3</td> <td>5</td> <td>6</td> </tr> <tr> <td>+</td> <td>2</td> <td>4</td> <td>3</td> <td>5</td> </tr> <tr> <td></td> <td>6</td> <td>7</td> <td>9</td> <td>1</td> </tr> </tbody> </table> <p>Use Ron's method to calculate:</p> <table border="1" data-bbox="1059 496 1451 632"> <tbody> <tr> <td></td> <td>3</td> <td>2</td> <td>4</td> <td>6</td> <td>1</td> </tr> <tr> <td>+</td> <td></td> <td>4</td> <td>3</td> <td>5</td> <td>2</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <table border="1" data-bbox="1496 496 1888 632"> <tbody> <tr> <td></td> <td>4</td> <td>8</td> <td>2</td> <td>7</td> <td>6</td> </tr> <tr> <td>+</td> <td></td> <td>5</td> <td>6</td> <td>1</td> <td>3</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Th	H	T	O		4	3	5	6	+	2	4	3	5		6	7	9	1		3	2	4	6	1	+		4	3	5	2								4	8	2	7	6	+		5	6	1	3						
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<p><b>Add decimals to two decimal places, including money.</b></p>	<p>As year 4</p>  <p>Introduce decimal place value counters and model exchange for addition.</p>																																																								
<p>Children to record exchanges with decimal place value counters to reinforce understanding.</p>	<p><math>2.37 + 81.79</math></p> 