

**MATHS AND LANGUAGE FORMAT USED FOR TEACHING OPERATIONS  
IN THIRD/FOURTH CLASS**

**ADDITION**

- From Third Class up it is important that children rule their copies. It is especially important that children write one digit only in one square.

**THE WAY ADDITION IS TAUGHT**

<i>Addition Example 1</i>																			
Step	Method	Sum	Words Used																
1	<ul style="list-style-type: none"> <li>Clear line of each thousands, hundreds, tens, units.</li> <li>One digit per box.</li> <li>Start with units.</li> </ul>	<table style="margin-left: auto; margin-right: auto;"> <tr><td>Th</td><td>H</td><td>T</td><td>U</td></tr> <tr><td>2</td><td>3</td><td>1</td><td>5</td></tr> <tr><td>+</td><td>4</td><td>1</td><td>0 2</td></tr> </table>	Th	H	T	U	2	3	1	5	+	4	1	0 2	<ul style="list-style-type: none"> <li>Add</li> <li>And</li> <li>Plus</li> <li>Thousands</li> <li>Carry</li> </ul>				
Th	H	T	U																
2	3	1	5																
+	4	1	0 2																
2	<ul style="list-style-type: none"> <li>Add top number with bottom number.</li> </ul>	<table style="margin-left: auto; margin-right: auto;"> <tr><td>Th</td><td>H</td><td>T</td><td>U</td></tr> <tr><td>2</td><td>3</td><td>1</td><td>5</td></tr> <tr><td>+</td><td>4</td><td>1</td><td>0 2</td></tr> <tr><td></td><td></td><td></td><td>7</td></tr> </table>	Th	H	T	U	2	3	1	5	+	4	1	0 2				7	<ul style="list-style-type: none"> <li>5 plus 2 <b>equals</b> 7.</li> <li>Write down 7</li> </ul>
Th	H	T	U																
2	3	1	5																
+	4	1	0 2																
			7																
3	<ul style="list-style-type: none"> <li>Add top number with bottom number.</li> </ul>	<table style="margin-left: auto; margin-right: auto;"> <tr><td>Th</td><td>H</td><td>T</td><td>U</td></tr> <tr><td>2</td><td>3</td><td>1</td><td>5</td></tr> <tr><td>+</td><td>4</td><td>1</td><td>0 2</td></tr> <tr><td></td><td></td><td>1</td><td>7</td></tr> </table>	Th	H	T	U	2	3	1	5	+	4	1	0 2			1	7	<ul style="list-style-type: none"> <li>1(ten)<b>plus</b> zero (tens)<b>equals</b> 1(ten)</li> <li>Write down 1</li> </ul>
Th	H	T	U																
2	3	1	5																
+	4	1	0 2																
		1	7																
4	<ul style="list-style-type: none"> <li>Add top number with bottom number.</li> </ul>	<table style="margin-left: auto; margin-right: auto;"> <tr><td>Th</td><td>H</td><td>T</td><td>U</td></tr> <tr><td>2</td><td>3</td><td>1</td><td>5</td></tr> <tr><td>+</td><td>4</td><td>1</td><td>0 2</td></tr> <tr><td></td><td>4</td><td>1</td><td>7</td></tr> </table>	Th	H	T	U	2	3	1	5	+	4	1	0 2		4	1	7	<ul style="list-style-type: none"> <li>3(hundreds) <b>plus</b> 1 (hundred) <b>equals</b> four (hundreds)</li> <li>Write down 4</li> </ul>
Th	H	T	U																
2	3	1	5																
+	4	1	0 2																
	4	1	7																
5	<ul style="list-style-type: none"> <li>Add top number with bottom number.</li> </ul>	<table style="margin-left: auto; margin-right: auto;"> <tr><td>Th</td><td>H</td><td>T</td><td>U</td></tr> <tr><td>2</td><td>3</td><td>1</td><td>5</td></tr> <tr><td>+</td><td>4</td><td>1</td><td>0 2</td></tr> <tr><td>6</td><td>4</td><td>1</td><td>7</td></tr> </table>	Th	H	T	U	2	3	1	5	+	4	1	0 2	6	4	1	7	<ul style="list-style-type: none"> <li>2 (thousands) <b>plus</b> 4(thousands) <b>equals</b> 6 (thousands)</li> </ul>
Th	H	T	U																
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**MATHS LANGUAGE AND FORMAT USED FOR TEACHING OPERATIONS IN  
THIRD/FOURTH CLASS**

<i>Addition Example 2</i>			
Step	Method	Sum	Words Used
1	<ul style="list-style-type: none"> <li>• Like example one, start with units add top digit to bottom.</li> <li>• This example contains tens and units, so tens must be carried to tens column.</li> <li>• Ask child "How many tens?" One</li> </ul>	$  \begin{array}{rcccc}  & \text{Th} & \text{H} & \text{T} & \text{U} \\  & 5 & 5 & 6 & 7 \\  + & 3 & 7 & 5 & 4 \\  \hline  & & & &   \end{array}  $ $  \begin{array}{rcccc}  & \text{Th} & \text{H} & \text{T} & \text{U} \\  & 5 & 5 & 6 & 7 \\  + & 3 & 7 & 5 & 4 \\  \hline  & & & & 1 \\  & & & & \text{1}  \end{array}  $	<ul style="list-style-type: none"> <li>• 7 plus 4 <b>equals</b> 11</li> <li>• We can't write down 11 in one box.</li> <li>• Eleven is <b>equal</b> to 1 ten and 1 unit.</li> <li>• So, we write 1 in units column and <b>carry</b> over the 1 ten to the tens column to be <b>added in</b>.</li> </ul>
2	<ul style="list-style-type: none"> <li>• Go to Tens Column</li> </ul>	$  \begin{array}{rcccc}  & \text{Th} & \text{H} & \text{T} & \text{U} \\  & 5 & 5 & 6 & 7 \\  + & 3 & 7 & 5 & 4 \\  \hline  & & & 2 & 1  \end{array}  $	<ul style="list-style-type: none"> <li>• 6 plus 5 (sixty plus fifty) <b>equals</b> 11(tens)</li> <li>• <b>Add</b> the 1(one ten) <b>carried over</b> (Step 1)</li> <li>• We get 12 – the 2 belongs in the tens column and we <b>carry over</b> the 1 (one hundred)</li> </ul>
3	<ul style="list-style-type: none"> <li>• Go to hundreds column</li> </ul>	$  \begin{array}{rcccc}  & \text{Th} & \text{H} & \text{T} & \text{U} \\  & 5 & 5 & 6 & 7 \\  + & 3 & 7 & 5 & 4 \\  \hline  & 3 & 2 & 1 &   \end{array}  $	<ul style="list-style-type: none"> <li>• 5 (hundred) <b>plus</b> 7 (hundred) <b>equals</b> 12</li> <li>• <b>Plus</b> the 1 (one hundred) <b>carried</b> from tens.</li> <li>• We get 13. The 3 stays in the hundreds column and we <b>carry over</b> the 1(one thousand) into the thousands</li> </ul>

4	<ul style="list-style-type: none"> <li>Go to thousands column.</li> </ul>	$  \begin{array}{r}  \text{Th} \quad \text{H} \quad \text{T} \quad \text{U} \\  5 \quad 5 \quad 6 \quad 7 \\  + \quad 3 \quad 7 \quad 5 \quad 4 \\  \hline  9 \quad 3 \quad 2 \quad 1  \end{array}  $	<ul style="list-style-type: none"> <li>5 (thousand) <b>plus</b> 3 (thousand) <b>equals 8</b></li> <li><b>Plus</b> the 1 (one thousand) from the hundreds column <b>equals 9</b></li> <li>We write down nine. (If the number was bigger it would go into the ten thousand column).</li> </ul>
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