

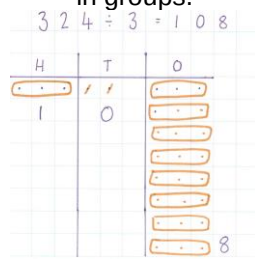
Addition	Year 3 and 4																																																
Key Vocab sum, total, parts and wholes, plus, add, altogether, more, increase, 'is equal to,' 'is the same as,'	Expanded method <table><tr><td></td><td>H</td><td>T</td><td>U</td></tr><tr><td></td><td>2</td><td>7</td><td>4</td></tr><tr><td>+</td><td>3</td><td>8</td><td>7</td></tr><tr><td></td><td></td><td>1</td><td>1</td></tr><tr><td></td><td>1</td><td>5</td><td>0</td></tr><tr><td></td><td>5</td><td>0</td><td>0</td></tr><tr><td></td><td>6</td><td>6</td><td>1</td></tr></table> Towards the end of Year 3/ beginning of Year 4, children move to the compact method. <table><tr><td></td><td>H</td><td>T</td><td>U</td></tr><tr><td></td><td>2</td><td>7</td><td>4</td></tr><tr><td>+</td><td>3</td><td>8</td><td>7</td></tr><tr><td></td><td>6</td><td>6</td><td>1</td></tr><tr><td></td><td>1</td><td>1</td><td></td></tr></table>		H	T	U		2	7	4	+	3	8	7			1	1		1	5	0		5	0	0		6	6	1		H	T	U		2	7	4	+	3	8	7		6	6	1		1	1	
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Subtraction																																																	
Key Vocab take away, less than, the difference, subtract, minus, fewer, decrease, 'how many left?'	Expanded method Start with no exchanging $398 - 124 =$ $300 + 90 + 8$ $- \quad \underline{100 + 20 + 4}$ $200 + 70 + 4$ Move to regrouping/exchanging 10s and 100s. $345 - 128 =$ $300 + \overset{30}{\cancel{40}} + 15$ $- \quad \underline{100 + 20 + 8}$ $200 + 10 + 7$ Some children may move to the compact method at the end of Year 4.																																																
	Multiplication	Year 3 and 4																																															
Key Vocab double, times, multiplied by, multiple, the product of, groups of, lots of, equal groups.	Grid Method Children partition and multiply each part. $43 \times 8 =$ <table><tr><td>X</td><td>40</td><td>3</td></tr><tr><td>8</td><td>320</td><td>24</td></tr></table> Expanded Method In Year 4, children move from grid to expanded method Column: <table><tr><td>2</td><td>1</td><td>5</td><td>x</td><td>6</td></tr><tr><td>2</td><td>1</td><td>5</td><td></td><td></td></tr><tr><td>x</td><td>6</td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>0</td><td>(5 x 6)</td><td></td></tr><tr><td></td><td>6</td><td>0</td><td>(10 x 6)</td><td></td></tr><tr><td>1</td><td>2</td><td>0</td><td>0</td><td>(200 x 6)</td></tr><tr><td>1</td><td>2</td><td>9</td><td>0</td><td></td></tr></table>	X	40	3	8	320	24	2	1	5	x	6	2	1	5			x	6					3	0	(5 x 6)			6	0	(10 x 6)		1	2	0	0	(200 x 6)	1	2	9	0								
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1	2	0	0	(200 x 6)																																													
1	2	9	0																																														
Division																																																	

Key Vocab

share,
group,
divide,
divided by,
half

Grid Method

The number is partitioned and drawn in groups.

**Bus Stop Division**

Children use this method, initially without regrouping.

$$\begin{array}{r} 212 \\ 4 \overline{) 848} \end{array}$$