	Stage 1 - EYFS		Stage 2 – Year 1 &Year 2	Stage 3 – Year 3
	Children are encouraged to develop a mental image of the		Children understand that multiplication is repeated addition	
	size of numbers. They learn to think about equal groups or		and that can be done by counting in equal steps/groups.	represent multiplication calculations
Progression in Written Multiplication	sets of objects in practical, real life situations. They begin to record these situations using pictures.			00000000
	K.K	A child's jotting showing fingers on each hand as a double.	or 000000000000	0000000 3 x 8 = 8 + 8 + 8 = 24 0000000
		A child's jotting showing double three as three cookies on each plate.	Children can then be introduced to the image of a rectangular array, initially through real items such as egg boxes, baking trays, ice cube trays, wrapping paper etc. and using these to show that counting up in equal groups can be a quicker way of finding a total.	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $
			Children also understand that 3 x 5 is the same as 5 x 3	
ij			5 + 5 + 5 = 15	
ession in Wr	Stage 4 – Year 3 Children will continue to use arrays to lead into the grid method of multiplication. 14 x 6 The 14 is partitioned (split) into 10 and 4. The answer to 6 x 10 is found = 60		Stage 5- Year 3 & Year 4 In this stage, the array is removed and children use the grid method. This is an important step in retaining children's understanding of multiplication. 23 × 8	The grid method can be used for multiplying any numbers, including long multiplication and multiplication involving decimals.
Progre	The answer to 6 x 4 is The two answers are x 10 00000000000000000000000000000000000	$\frac{1}{3} \text{ found} = 24$ $\frac{1}{3} \text{ added together } 60 + 24 = 84$ $\frac{1}{3} \text{ (6 x 10) + (6 x 4)}$ $(6 \times 10) + (6 \times 4)$ $(6 \times 10) + (6 \times 4)$ $(6 \times 10) + (6 \times 4)$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
	<sup>6</sup> 60	24	$\begin{array}{c} \times & 300 & 40 & 6 \\ 9 & 2700 & 360 & 54 \end{array} \\ & + & 360 \\ + & 54 \\ \hline & 3114 \\ \hline & 11 \end{array}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
				<u>- 10</u> <u>2736</u>

