	Stage 1		Stage 2		Stage 3	
	Children are encouraged to develop a mental image of the size of numbers. They learn to think about equal groups or		Children understand that multiplication is repeated addition and that can be done by counting in equal steps/groups.		Children continue to use arrays and create their own to represent multiplication calculations	
	sets of objects in practical, real life situations. They begin to record these situations using pictures.				00000000	
on in Written Multiplication	K.K.	A child's jotting showing fingers on each hand as a double.	or 00000000	00000	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	3 x 8 = 8 + 8 + 8 = 24
		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.	3+3+3+3+3=15	x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x	3 x 8 = 8 + 8 + 8 = 24
			Children also understand that 3 x 5 is the same as 5 x 3			
				5 + 5 + 5 = 15		
	Stage 4Children will continue to use arrays to lead into the grid method of multiplication. 14×6 The 14 is partitioned (split) into 10 and 4.The answer to 6×10 is found = 60 The answer to 6×4 is found = 24 The two answers are added together $60 + 24 = 84$ x 10 i 4		Stage 5 This is the final stage, the array is removed and children use the grid method. 23 × 8		The grid method can be used for multiplying any numbers, including long multiplication and multiplication involving decimals. 4.92 × 3	
Progression			× 20 3 8 160 24	160 + 24 184		02 06 12 + 2.7 + 0.06
	6 000000000000000000000000000000000000	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	346×9 × 300 40 6 9 2700 360 54	2700 + 360 + 54	72 × 38 × 70 2 30 2100 60	<u>_14.76</u> 2100
	<u>× 10</u> 6 60	24			8 560 16	+ 560 + 60 + 16 2736 1
			1			