MULTIPLICATION GUIDELINES			
Year One	Year Two	Year Three	
Solve one-step problems by calculating the answer using concrete objects, pictorial representations and arrays	Show that multiplication of 2 numbers can be done in any order (commutative) $ \underline{x} = signs \text{ and missing numbers} \\ 7 \times 2 = \square $ $ \square = 2 \times 7 $	Write and calculate mathematical statements using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	
Arrays 3 x 2 =	$7 \times \square = 14$ $\square \times 2 = 14$ $\square \times \nabla = 14$ $14 = \square \times 7$ $14 = 2 \times \square$ $14 = \square \times \nabla$	Partitioning 23 × 3 = 69	
(3 lots of 2)	Arrays  (4 lots of 2)	20 x 3 = 60 3x3 = 9 (place value key)	
Repeated addition  3 x 2 2 + 2 + 2	4 × 2	Column multiplication  Columns should be labelled and multiplication sign is on RHS.	
Practical resources Counting in 2s e.g. counting socks Counting in 5s e.g. counting fingers Counting in 10s e.g. toes	Or you could show it this way  2 x 4 (2 lots of 4)	TU 32 _3 × 96	
Pictures / marks There are 3 sweets in one bag. How many sweets are there in 5 bags?	Repeated addition  4 x 2 = 2 + 2 + 2 + 2		

	Number line	
	3x2=	
	1x2 2x2 3x2	
	0 1 2 3 4 5 6	
	Mental calculations	Mental calculations
Mental calculations		
Times table expectations	Times table expectations (with related division facts)	Times table expectations (with related inverse facts)
X2	X2	X3
x5	x5	×4
×10	x10	×8
	Odd/even numbers	
	Count in 2s to identify odd and even numbers	Place Value
	·	X 2 digit numbers by 10 and 100