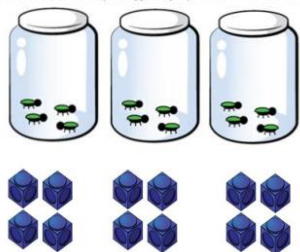


Calculation Policy - Multiplication

EYFS/Year 1:

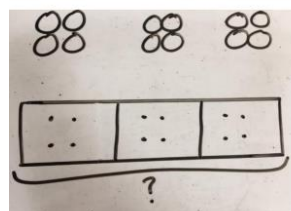
Children begin to recognise and make equal groups using objects and drawing pictures.

3×4
 $4 + 4 + 4$
There are 3 equal groups, with 4 in each group.



Year 2:

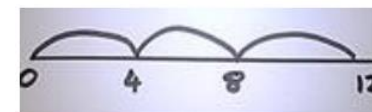
Children understand that multiplication is repeated addition and can be done by counting in equal steps/groups. Children are then introduced to rectangular arrays.



Year 3:

Children use rectangular arrays, grouping and Base 10 to support their understanding of multiplication. They use their knowledge of times tables to count on in multiples.

$$3 \times 4 = 12$$



Year 4:

Column multiplication is introduced by first using place value counters and then formal written methods. Children understand the value of each digit in each column. Children multiply 2 and 3-digit numbers by 1 digit.

T U	Th H T U
4 7	3 6 8
X 5	x 6
2 3 5	2 2 0 8
3	4 4

Year 5:

Children continue to use formal written methods to solve multiplication questions. They are introduced to multiplying up to 4-digit numbers by a 2-digit number.

	1 2 4
x	2 6
7 4 4	
2 4 8 0	
3 2 2 4	
1 1	

Answer: 3224

Year 6:

Children continue to use formal written methods to multiply digits by up to 3-digit numbers.