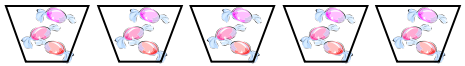
Multiplication

Year 1

Pictures and symbols

There are 3 sweets in one bag.
How many sweets are there in 5 bags?



(Recording on a number line modelled by the teacher when solving problems)

Use of bead strings to model groups of.

Year 2

X 2, 5 and10

x = signs and missing numbers

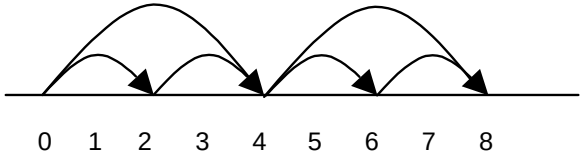
7 x 2 = □ □ = 2 x 7
7 x □ = 14 14 = □ x 7
□ x 2 = 14 14 = 2 x □
□ x ∇ = 14 14 = □ x ∇

Arrays and repeated addition

4x2 2x4

or repeated addition

2 + 2 + 2 + 2 or 4 + 4



Pencil and paper procedures

Doubling multiples of 5 up to 50

15 x 2 = 30

Partition

15 x 2

20 + 10 = 30

or, set out as a grid...

x	10	5
2	20	10

Year 3

X 3, 4 and 8

x = signs and missing numbers

Continue using a range of equations as in Year 2 but with appropriate numbers.

Arrays and repeated addition

Continue to show mental methods using multiplication as repeated addition and continue to use arrays.

Doubling multiples of 5 up to 50

35 x 2 = 70
Partition or set out as a grid as in Year 2.

Pencil and paper procedures

Use known facts and place value to carry out simple multiplications

Start with grid method

e.g. 32 x 3 = 96

x	30	2
3	90	6

To progress onto short method.

3 2
X 3
9 6