

Multiplication

Multiplication begins with counting in different steps. Children then begin to learn (by rote) their tables facts (fact order and inverse) and aim for instant recall. A range of practical resources are invaluable as well as number lines and 100 squares. Foci: KS1 - x2,3,5&10. Y3 - x4,6&8. Y4 up to 12. Include missing numbers, signs and fact families.

Multiplication as repeated addition:

$$5 + 5 + 5 = 5 \times 3 \text{ OR } 3 \times 5$$

Multiplication using partitioning:

$$38 \times 7 = (30 \times 7) + (8 \times 7)$$

Grid method:

X	30	8	
7	210	56	= 266

Short multiplication:

$$\begin{array}{r} 38 \\ \underline{7x} \\ 266 \\ 5 \end{array}$$

Long multiplication:

$$\begin{array}{r} 248 \\ \underline{34x} \\ 992 \\ 7440 \\ 8432 \end{array}$$