



Prerequisites

- *Can combine sets of objects.
- *Can count in 2s, 5s and 10s (beginning to understand patterns).
- *understand and use language of multiplication (pairs, sets and groups).

Arrays

Represent arrays as multiplication and record as a number sentence.

e.g. $6 \times 5 = 30$

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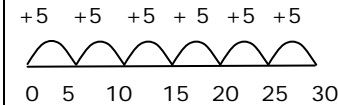
Repeated addition

Represent repeated addition as multiplication.

e.g.
 $5 + 5 + 5 + 5 + 5 + 5 = 30$
 $5 \times 6 = 30$

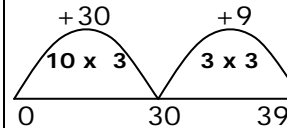
Numberline

Represent repeated addition as multiplication on a numberline.



Begin to multiply 2 digit numbers and represent on a number line.

e.g. 13×3



Grid method

Refine to make more efficient and introduce the grid method.

e.g. 13×3

x	3	
10	30	
3	9	
		39

Use knowledge of timetables and multiplying by 10, 100 and 1000 to multiply 2 and 3 digit numbers.

e.g. 56×24

x	50	6	
20	1000	120	1120
4	200	24	224
			1344

Refine to multiplying whole numbers with decimal numbers.

Constant learning and practising of timestable facts to 10x10 to be an integral part of this process.