Broadmayne First School Knowledge Organiser

Maths Focus	Multiplication and Division	Year 4	Autumn Term 2

Multiplication Vocabulary	Division Vocabulary
multiply	divide
times	share between
groups of / lots of	share equally / equal groups of
repeated addition	repeated subtraction
answer = product	answer = quotient
commutativity (multiplication can be done in any order, eg, 3 x 7 = 21 and 7 x 3 = 21)	**remainder** (the number that is left after a ÷ calculation and cannot be shared equally)

Times Tables

Times tables are very useful for many parts of the maths curriculum. They are very important. By the end of Year 4, you should know all times tables up to 12 x 12. Times tables can be learnt in this order to make them easier to remember.

2, 5, 10, 3, 4, 8, 6, 7, 9, 11, 12

Practical resources

Place value tokens, Dienes

Using inverse to check

60 x 2 = 120
120 ÷ 60 = 2

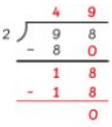
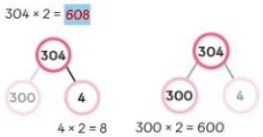
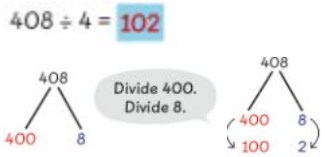
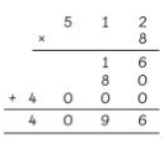
Useful X and ÷ websites

https://ttrockstars.com

https://www.topmarks.co.uk/maths-games/hit-the-button

http://www.learnyourtables.co.uk/

Key Knowledge

Multiplication		Division	
Bar Modelling Method		Formal method (Bus Stop method) with no remainder	
Part Whole		Part Whole	
Formal Method (Expanded Column)		Formal method (Bus Stop method) with remainder