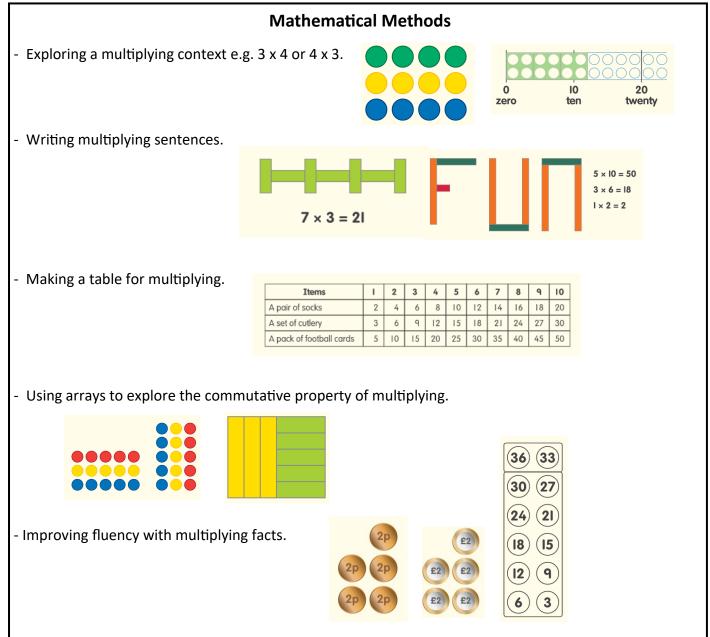
Maths - Year 4

Calculating 5: Developing fluency with multiplying facts to 12 x 12

	Key Vocabulary	Mathematical Skills - Write multiplying sentences for problems			
Product	The number resulting from multiplying two or more numbers together.	involving repeated amounts. - Find products of two numbers on			
Commuta- tive	When adding or multiplying 2 numbers, the answer will be the same no matter which order the numbers are in.	multiplying squares. - Write two multiplying sentences for an array and notice that, e.g. 4 x 6 and 6 x 4 give the same product.			
Dimensions	The measurements of a shape or object e.g. length, height, width, depth.	 Recall multiplying facts to 12 x 12. Explain the effects of multiplying by 0 and 			
Area	An amount of surface.	by 1. - Illustrate a scaling problem with apparatus			
Scale up/ scale down	Describes the amount by which something is increased or reduced to make it larger or smaller in proportion.	and a multiplying sentence.			



- Making connections between multiplying and finding the area of rectangles.

- Using scaling in a recipe e.g. scaling a recipe for 1 person up to 3 people.

- Using a 'correspondence' structure to work out how many partners.

	Girls						
		a	b	с	d	е	
	I	la	Ib	Ic	Id	le	
Boys	2	2a	2b	2c	2d	2e	
	3	3α	3b	3c	3d	3e	
	4	4a	4b	4c	4d	4e	
	5	5α	5b	5c	5d	5e	
	6	6a	6b	6c	6d	6e	

Can you..? - How many different ways can you find to describe the number of counters in this array? 5 5 5 6 6 5 - Solve 🚺 x 8 = 56 - Who has the most counters? How do you know? - Write a number a sentence to match the picture. Tom 50)

