## Maths - Year 4

## Calculating 6: Developing fluency with dividing facts to 12 x 12

	Key Vocabulary	Mathematical Skills - Write dividing sentences using the ÷				
Grouping	Occurs in dividing when we know an amount and want to find out how many times a different amount will go into it, e.g. 2 goes into 10 five times.	<ul><li>symbol.</li><li>Write two dividing sentences for an array.</li><li>Use knowledge of multiplying facts to</li></ul>				
Halving	Dividing into two equal parts.	work out dividing facts. - Recall dividing facts related to multiplying facts to 12 x 12.				
Dimensions	The measurements of a shape or object e.g. length, height, width, depth.	Explain that we divide to find 'how manyin', when 'sharinginto' and				
Area	An amount of surface.	cases can be written as dividing sentences.				
Scale up/ scale down	Describes the amount by which something is in- creased or reduced to make it larger or smaller in proportion.					
Mathematical Methods						

- Exploring a dividing context e.g.  $20 \div 4 = 5$  or  $5 \times 4 = 20$ .



- Writing dividing sentences e.g. 60 ÷ 10 =



- Finding two dividing facts from an array e.g.  $24 \div 4 = 6$  or  $24 \div 6 = 4$ 

- Improving fluency with dividing facts e.g. noticing patterns with multiples of 3 in terms of doubling and halving.



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-	Using the	inverse	to derive	missing	numbers e.g.	40 ÷	<b>—</b> – o	(o X ) – 4(	J

Item	Total in 5 packs		
Packs of rubbers	20		
Sets of coloured pencils	40		
Boxes of pencil sharpeners	45		

2 3 4 5 6 7 8 9 10 0 0 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 33 33 33 33 34 55 36 37 38 39 40 41 42 43 44 44



Can you..?

