
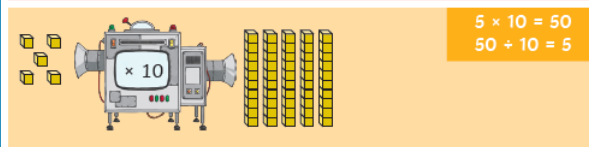
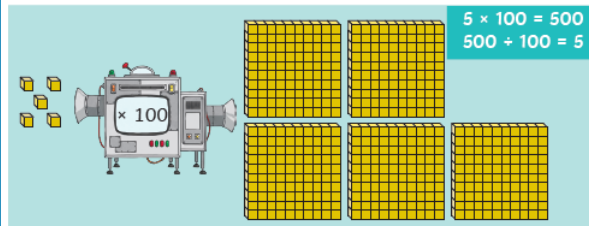
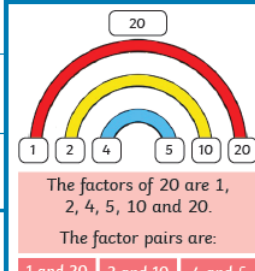
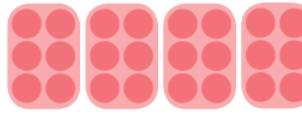
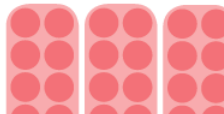



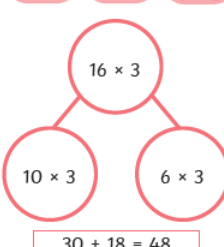




In maths we are learning about...

Multiplication and Division		Knowledge Organiser																																																																																																																																																																									
Key Vocabulary	Multiplication and Division Facts	Use Place Value to Multiply and Divide Mentally																																																																																																																																																																									
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factor	<p>Factor pairs and Commutativity</p>  <p>The factors of 20 are 1, 2, 4, 5, 10 and 20. The factor pairs are: 1 and 20 2 and 10 4 and 5</p> <p>$5 \times 4 = 20$ $4 \times 5 = 20$</p>	<p>Multiply Using Formal Written Methods</p> <table border="1"> <tr><td>Th</td><td>H</td><td>T</td><td>O</td></tr> <tr><td></td><td>5</td><td>4</td><td>3</td></tr> <tr><td>x</td><td></td><td></td><td>4</td></tr> <tr><td></td><td></td><td>1</td><td>2</td></tr> <tr><td></td><td>1</td><td>6</td><td>0</td></tr> <tr><td></td><td>2</td><td>0</td><td>0</td></tr> <tr><td></td><td>2</td><td>1</td><td>7</td><td>2</td></tr> </table> <table border="1"> <tr><td>Th</td><td>H</td><td>T</td><td>O</td></tr> <tr><td></td><td>5</td><td>4</td><td>3</td></tr> <tr><td>x</td><td></td><td></td><td>4</td></tr> <tr><td></td><td>2</td><td>1</td><td>7</td></tr> <tr><td></td><td>1</td><td>1</td><td></td></tr> </table> <p>Remember to move any regrouped numbers into the next column. After the next multiplication, add the regrouped number to the answer.</p>	Th	H	T	O		5	4	3	x			4			1	2		1	6	0		2	0	0		2	1	7	2	Th	H	T	O		5	4	3	x			4		2	1	7		1	1																																																																																																																									
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Multiplication and Division		Knowledge Organiser
Mental Calculations for Solving Problems	Integer Scaling Problems	
<p>$(2 \times 3) \times 4 = 24$</p>  <p>$(2 \times 4) \times 3 = 24$</p> 	<p>10 pencils</p>  <p>$10 \times 4 = 40$ pencils</p> 	
<p>$(3 \times 4) \times 2 = 24$</p>  <p>16×3</p>  <p>$30 + 18 = 48$</p>	<p>75g</p>  <p>$75g \times 2 = 150g$</p> 	

Short Division with Exact Answers

There are 69 tennis balls packed in tubes of 3.

There are 23 tubes altogether.

$69 \div 3 = 23$

69
23 3
23
23
23

