

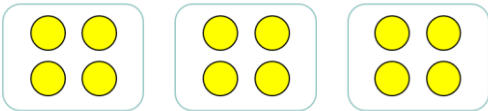
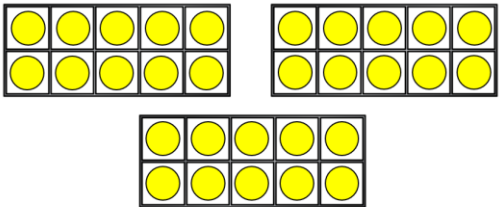




# St John Fisher RC Primary School


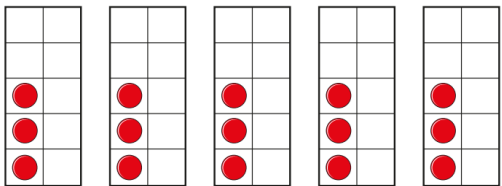
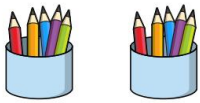
## Year Two Maths Knowledge Organiser

### Spring Term One – Multiplication and Division

Learning Intentions	Teacher
Recognise equal groups	
Make equal groups	
Add equal groups	
Multiplication sentences	

Recognise equal groups	Make equal groups
 <p>There are <u>3</u> groups of <u>4</u></p> <p>There are <u>12</u> counters altogether.</p>	 <p>There are <u>3</u> equal groups with <u>10</u> in each group.</p>
Add equal groups	Multiplication sentences
 $\boxed{2} + \boxed{2} + \boxed{2} + \boxed{2} + \boxed{2} = \boxed{10}$	 $\boxed{4} \text{ lots of } \boxed{4} = \boxed{16}$ $\boxed{4} \times \boxed{4} = \boxed{16}$

Key Vocabulary	
Divide	to share a number into equal groups
Equal	the same amount or size
Groups	sets of objects put together
Multiply	to find the total of equal groups
Share	to split something fairly into equal parts

Assessment	
 <p>There are <input type="text"/> groups with <input type="text"/></p> <p>counters in each group.</p> <p>There are <input type="text"/> counters altogether.</p>	 <p>There are <input type="text"/> equal groups with <input type="text"/></p> <p>in each group.</p>
<p>Draw a picture to match each number sentence.</p> <p>a) <math>8 + 8 = 16</math></p>	<p>Complete the sentences for each picture.</p> <p>a)</p>  $\boxed{\phantom{00}} \text{ lots of } \boxed{\phantom{00}} = \boxed{\phantom{00}}$ $\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$



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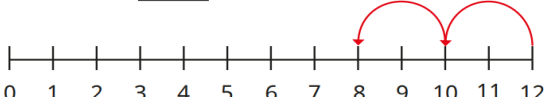
### Spring One Term – Multiplication and division

Learning Intentions	Teacher
The 2 times-tables	
Divide by 2	
Double and halving	
Odd and even numbers	

The 2 times-tables	Divide by 2
 	<p>Here are 14 counters.</p> <p>Put them into groups of 2</p> <p>There are <u>7</u> equal groups of <u>2</u></p> $14 \div 2 = 7$

Double and halving	Odd and even numbers
<div> <p>1 apple can be seen.</p> <p>Now 2 apples can be seen.</p> </div> <div> <p>5 fingers can be seen.</p> <p>Now 10 fingers can be seen.</p> </div>	<div> <p>Here are 8 cubes.</p> <p>Is 8 odd or even?</p> <p>even</p> </div> <div> <p>Here are 5 cubes.</p> <p>Is 5 odd or even?</p> <p>odd</p> </div>

Key Vocabulary	
Divide	to share a number into equal groups
Equal	the same amount or size
Groups	sets of objects put together
Multiply	to find the total of equal groups
Share	to split something fairly into equal parts

Assessment	
<p>Write a fact from the 2 times-table to match each picture.</p> <p>a)</p>  <div><div></div> × <div></div> = <div></div></div>	<p>Use the number lines to complete the division sentences.</p> <p>a) <math>12 \div 2 =</math> <div></div></p> 

Four blue cube counters are arranged in a horizontal row inside a rounded rectangle. To the right of this rectangle is another empty rounded rectangle with a blue border.

Draw counters to show half of 8

A 2x5 grid of boxes. The first two rows are each filled with four red circular counters. The last two boxes in each row are empty. An arrow points from this grid to an empty 2x5 grid.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

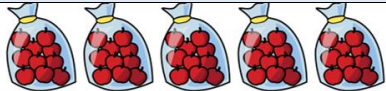
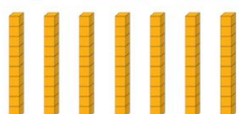
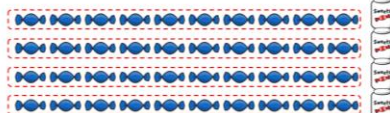


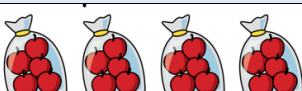
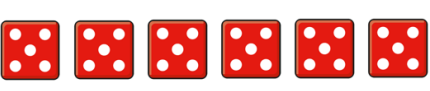
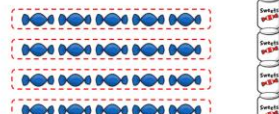
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## Year Two Maths Knowledge Organiser

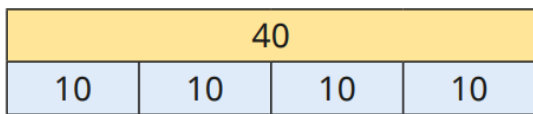
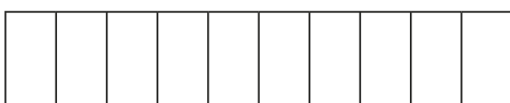
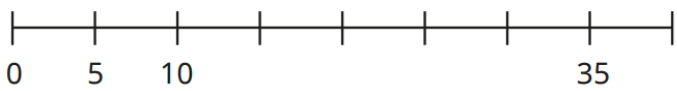
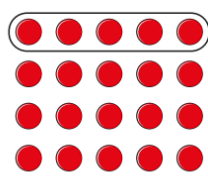
### Spring One Term – Multiplication and division

Learning Intentions	Teacher
The 10 times-tables	
Divide by 10	
The 5 times-tables	
Divide by 5	

The 10 times-tables	Divide by 10
 $10 \times 5 = 50$  $10 \times 7 = 70$	<p>Here are 40 sweets.</p>  <p>They are put in jars with 10 sweets inside. How many jars are needed? There are <u>40</u> sweets altogether. There are <u>10</u> in each group. There are <u>4</u> groups.</p>

The 5 times-tables	Divide by 5
 $5 \times 4 = 20$  $5 \times 6 = 30$	<p>Here are 20 sweets.</p>  <p>They are put in jars with 5 sweets inside. How many jars are needed? There are <u>20</u> sweets altogether. There are <u>5</u> in each group. There are <u>4</u> groups.</p>

Key Vocabulary	
Divide	to share a number into equal groups
Equal	the same amount or size
Groups	sets of objects put together
Multiply	to find the total of equal groups
Share	to split something fairly into equal parts

Assessment	
 $\square \times \square = \square$	<p>Share 40 counters equally between 10 groups. Draw your counters.</p>  <p>Complete the division.</p> $40 \div \square = \square$
<p>a) Complete the number line.</p> 	 $\square \times 5 = 20$ $20 \div 5 = \square$