



St John Fisher RC Primary School

Year Two Maths Knowledge Organiser

Spring Term One – Multiplication and Division

Learning Intentions

Teacher

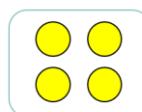
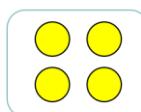
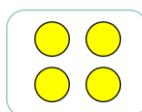
Recognise equal groups

Make equal groups

Add equal groups

Multiplication sentences

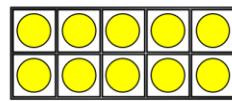
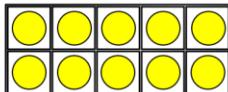
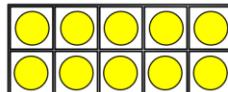
Recognise equal groups



There are 3 groups of 4

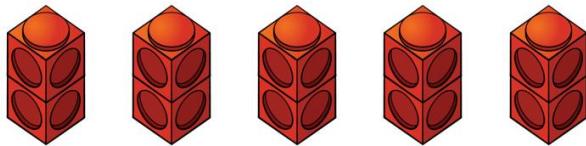
There are 12 counters altogether.

Make equal groups



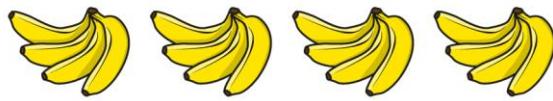
There are 3 equal groups with 10 in each group.

Add equal groups



$$2 + 2 + 2 + 2 + 2 = 10$$

Multiplication sentences



$$4 \text{ lots of } 4 = 16$$

$$4 \times 4 = 16$$

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

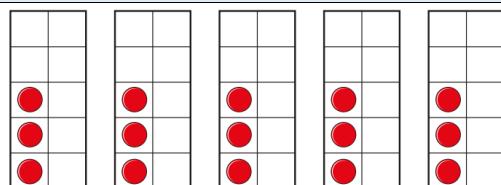
Share to split something fairly into equal parts

Assessment



There are groups with counters in each group.

There are counters altogether.



There are equal groups with in each group.

Draw a picture to match each number sentence.

a) $8 + 8 = 16$

Complete the sentences for each picture.

a)



$$\boxed{\quad} \text{ lots of } \boxed{\quad} = \boxed{\quad}$$

$$\boxed{\quad} \times \boxed{\quad} = \boxed{\quad}$$



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The 2 times-tables

Divide by 2

Double and halving

Odd and even numbers

The 2 times-tables



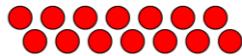
$$2 \times 3 = 6$$



$$2 \times 5 = 10$$

Divide by 2

Here are 14 counters.



Put them into groups of 2

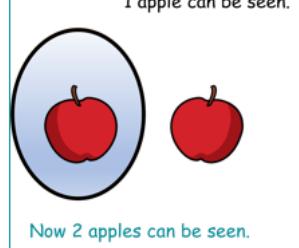
There are 7 equal groups of 2

$$14 \div 2 = 7$$

Double and halving

Odd and even numbers

1 apple can be seen.



Now 2 apples can be seen.

5 fingers can be seen.



Now 10 fingers can be seen.

Here are 8 cubes.



Is 8 odd or even?

even

Here are 5 cubes.



Is 5 odd or even?

odd

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

Write a fact from the 2 times-table to match each picture.

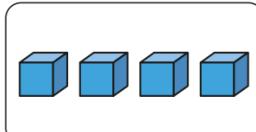
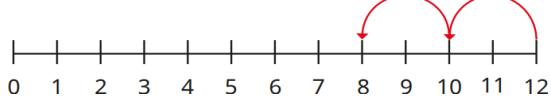
a)



$$\boxed{} \times \boxed{} = \boxed{}$$

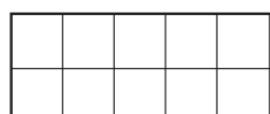
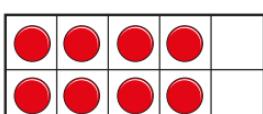
i) Use the number lines to complete the division sentences.

a) $12 \div 2 = \boxed{}$



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Draw counters to show half of 8



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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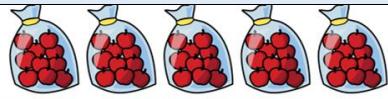
The 10 times-tables

Divide by 10

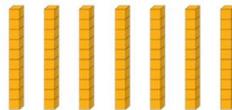
The 5 times-tables

Divide by 5

The 10 times-tables



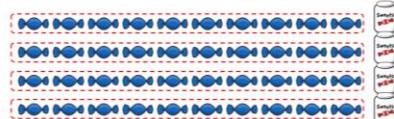
$$10 \times 5 = 50$$



$$10 \times 7 = 70$$

Divide by 10

Here are 40 sweets.



They are put in jars with 10 sweets inside.

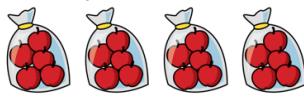
How many jars are needed?

There are 4 sweets altogether.

There are 10 in each group.

There are 4 groups.

The 5 times-tables



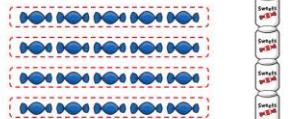
$$5 \times 4 = 20$$



$$5 \times 6 = 30$$

Divide by 5

Here are 20 sweets.



They are put in jars with 5 sweets inside.

How many jars are needed?

There are 20 sweets altogether.

There are 5 in each group.

There are 4 groups.

Key Vocabulary

Divide to share a number into equal groups

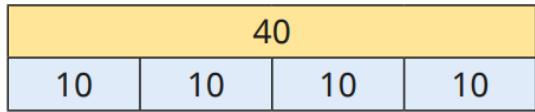
Equal the same amount or size

Groups sets of objects put together

Multiply to find the total of equal groups

Share to split something fairly into equal parts

Assessment



$$\boxed{} \times \boxed{} = \boxed{}$$

Share 40 counters equally between 10 groups.

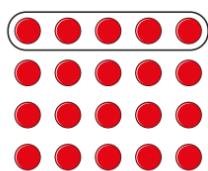
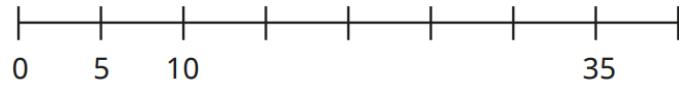
Draw your counters.



Complete the division.

$$40 \div \boxed{} = \boxed{}$$

a) Complete the number line.



$$\boxed{} \times 5 = 20$$

$$20 \div 5 = \boxed{}$$