Year 2 – Maths – Week 5 – Addition and Subtraction

	Day 1 Activity	Day 2 Activity	Day 3 Activity	Day 4 Activity	Day 5 Activity
10 minutes	Practice on Times Table Rock Stars for 10 minutes a day
Mathematical talk	Look at day 1 Mental Maths varied fluency - What does the 3 represent? What does the 6 represent? What does 'lots' of mean (equal groups)? E.g. 3 lots of 2 = 6 or 3 x 2 = 6. Discuss does 18 = 3 x 6. How is 6 + 6 + 6 the same as 3 x 6? How is it different?				
Themes	Multiplication sentences using the symbol	Multiplication sentences using the symbol	Use arrays	Use arrays	The 2 times table
Mental Maths Varied fluency *Answers are all below on a table*	Look at the sets of 6 – how many are there? 3 lots of 6 is the same as 3 x 6. Draw 3 set of 2. Write the addition and the multiplication.	True or false? All of the number sentences have the same answer. See below.	Explain is this correct 3 + 3 + 3 = 3 x 3 See below. Look at the cakes on the plates. What does the 4 represent? What does the 3 represent? What does the 12 represent?	Look at the train image below on day 4. Look at the number sentences and explain why they can all be true.	Look at the box of eggs below. Where are the 2 lots of 5? Where are the 5 lots of 2? What do you notice? What can we use to represent the eggs? Can you draw the image?
Problem/ activity of the day *Answers are all below*	a) Look at the boxes of chocolates – how many are in each box (they are equal). Complete the addition and multiplication. b) count the cubes how many are in each group. c) count how many stems of flowers are in each bunch. **Hint:** tick and count carefully – you can use counters or pasta pieces to make the groups to find the totals. Watch this clip which will help if you can, click on the link: https://vimeo.com/418150502	2) complete the repeated additions and matching multiplication. 3) complete the number pattern, what comes next. **Hint:** look at all of the sentences first to spot the pattern. 4) what is the total of 16 (think about counting in 2's) How many lots of 2 make 16? 5) Use counters or pasta to make: a) 3 lots of ? make 12 b) ? lots of 4 make 8 c) 2 lots of ? make 5	Questions 1- 4 Count the equal groups – how many is in each group. Use counters or pasta to recreate the groups and find how many altogether. e.g 5 pears x 4 = ? 6 stars x 2 = ? Watch this clip which will help if you can, click on the link: https://vimeo.com/417922235	Question 5 Draw the groups of circles (arrays) to make 7 x 3 – 7 groups of 3. Can you draw this in a different way – ie 3 x 7 Question 6 Draw 3 different ways of making 12 e.g. 3 groups of 4 – 3 x 4 Question 7 Find 2 ways to make each total – draw 2 different arrays	Use facts from the 2 times table to complete the facts. Write out the 2 x table first to help. Watch this clip which will help if you can, click on the link: https://vimeo.com/417922431
You will need:	Paper, pencil, counters, pasta or coins.	Paper, pencil, counters, pasta or coins.	Paper, pencil, counters, pasta or coins.	Paper, pencil, counters, pasta or coins.	Paper, pencil, counters, pasta or coins.

Complete the sentences to describe the equal groups.
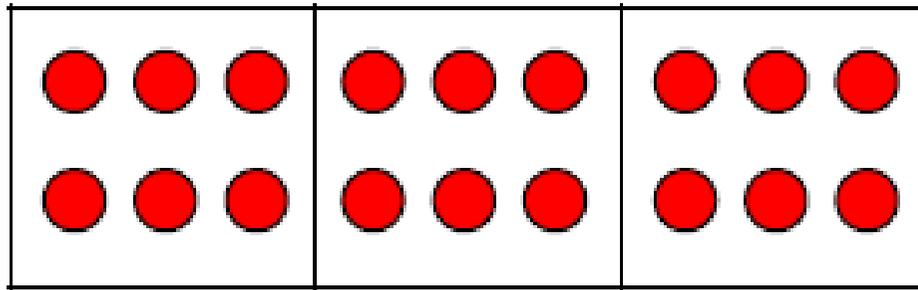
___ + ___ + ___ = 18

___ × ___ = 18

There are ___ equal groups with ___ in each group.
There are three ___.

Complete:

Three 2s	Draw It	Addition	Multiplication
There are 3 equal groups with 2 in each group.			

1 Complete the sentences.

a)

There are ☐ equal groups with ☐ in each group.

☐ + ☐ + ☐ = 18

☐ × ☐ = 18

b)
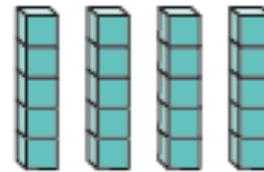
There are ☐ equal groups with ☐ in each group.

☐ + ☐ + ☐ + ☐ = 20

☐ × ☐ = 20

c)

There are ☐ equal groups with ☐ in each group.

☐ + ☐ = 8

☐ × ☐ = 8

All of the number sentences have the same answer.

$$2 + 2 + 2 =$$

$$2 \times 3 =$$

$$3 \times 2 =$$

$$3 + 3 =$$

2 Complete the table.

The first one has been done for you.

Addition	Multiplication
2 + 2 + 2 + 2	4 × 2
5 + 5 + 5	
3 + 3 + 3 + 3 + 3	
	2 × 10

3 Complete the pattern.

5 × 2 = 5 + 5 = ☐

5 × 3 = 5 + 5 + 5 = ☐

5 × 4 = 5 + 5 + 5 + 5 = ☐

5 × 5 = _____ = ☐

4 The total is 16

What could the addition and multiplication be?

_____

_____

5 Use counters to help you complete the number sentences.

a) 3 × ☐ = 12

b) ☐ × 4 = 8

c) 2 × ☐ = 10

$3 + 3 + 3 = 3 \times 3$

Is Mo correct? Explain why.

Draw an image to help you.

Complete:

___ × ___ = ___

___ lots of 3 = ___

___ multiplied by ___ = 12

What does the 4 represent?
What does the 3 represent?
What does the 12 represent?

Think of your own number story for 3 x 4 = 12
e.g.
Mr Puszyk had a party, he put three cakes onto 4 different plates. How many cakes did he have altogether?

Day 3

Use arrays

1 How many pears are there?

◻ + ◻ + ◻ = ◻

◻ × ◻ = ◻

There are ◻ pears.

2 How many stars are there?

◻ + ◻ = ◻

◻ × ◻ = ◻

There are ◻ stars.

3 Write two additions and two multiplications for the array.

◻ + ◻ + ◻ = ◻

◻ × ◻ = ◻

◻ + ◻ + ◻ + ◻ = ◻

◻ × ◻ = ◻

What do you notice?

4 Write two multiplications for this array.

◻ × ◻ = ◻

◻ × ◻ = ◻

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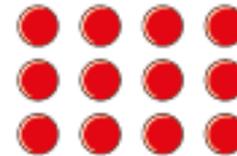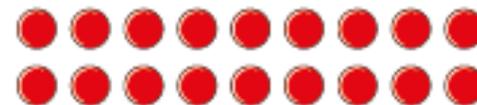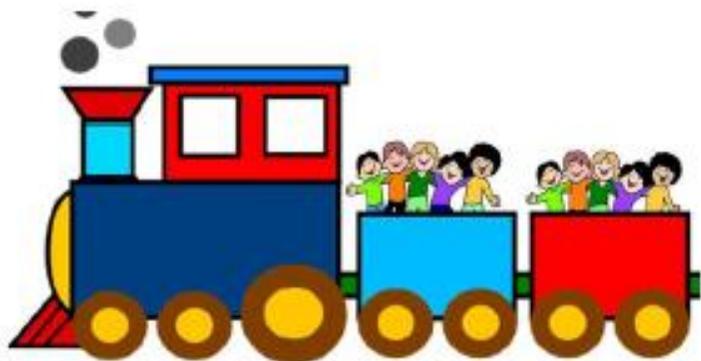
$$2 \times 5$$
$$5 + 5$$
$$5 \times 2$$

Each calculation could explain the image.

Explain why.

5 Draw an array to show 7 × 3

Complete the number sentence.

7 × 3 = ☐

Is there more than one way to draw the array?

6 Draw three different arrays to show 12

7 Draw dots to show each multiplication in two ways.

The first one has been done for you.

Multiplication	Array 1	Array 2
3 × 8		
2 × 5		
4 × 9		
6 × 1		

8 Can you see the multiplications 5 × 4 and 4 × 5 in the array?
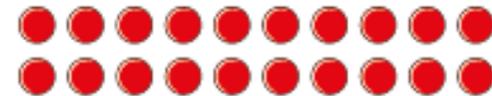
Talk about it with a partner.

On the image, find 2 x 5 and 5 x 2

Can you represent this array using another object?

Where are the 2 lots of 5?

Where are the 5 lots of 2?

What do you notice?

What can we use to represent the eggs?

Can you draw the image?
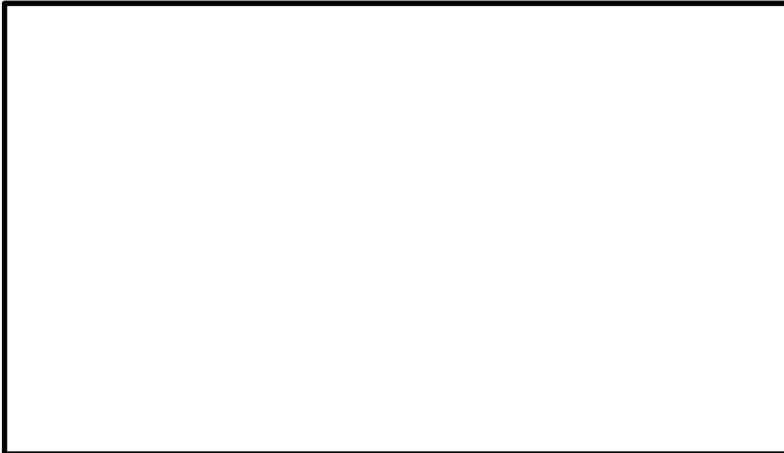
Complete the number sentences to describe the arrays.

2 x 3   and   ___ x ___

___ x ___   and   ___ x ___

Day 5
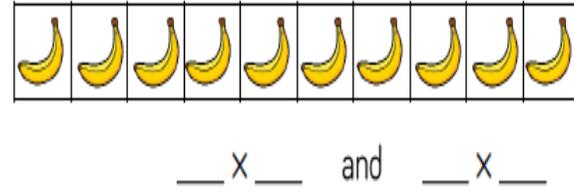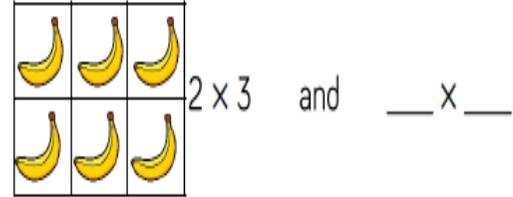
The 2 times-table

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

a)

☐ × ☐ = ☐

b)

☐ × ☐ = ☐

c)

☐ × ☐ = ☐

2 a) Complete the number line.
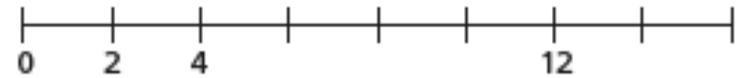
0   2   4   12

b) Which times-table does the number line show?

Tick your answer.

1 times-table   2 times-table

3 times-table

How do you know?

3 Complete the array and times-table fact so that they match.

a)

2 × 2 = ☐

b)

2 × 5 = ☐

c)
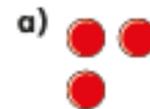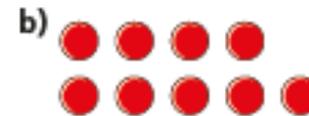
2 × ☐ = 8

Answers

Day 1	6 + 6 + 6 = 18 6 x 3 = 18 - There are 3 equal groups with 6 in them.
Day 2	True. All of the number sentences are equal and have an answer of 6.
Day 3	He is correct because 3+3+3 = 9 and 3 x 3 = 9
Day 4	There are 2 groups with 5 people in each group. There are 5 people in one group and 5 in the other. There are 5 lots of 2 people.
Day 5	Eggs 2 x 5 = 10 5 x 2 = 10 – Bananas 3 x 2 = 6 2 x 3 = 6 1 x 10 = 10 10 x 1 = 10

Day 1

Day 2

Day 3

1 How many pears are there?

$5 + 5 + 5 = 15$

$3 \times 5 = 15$

There are 15 pears.

2 How many stars are there?

$6 + 6 = 12$

$2 \times 6 = 12$

There are 12 stars.

3 Write two additions and two multiplications for the array.

$4 + 4 + 4 = 12$

$3 \times 4 = 12$

$3 + 3 + 3 + 3 = 12$

$4 \times 3 = 12$

What do you notice?

4 Write two multiplications for this array.

$2 \times 9 = 18$

$9 \times 2 = 18$

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Day 4

5 Draw an array to show 7×3
Complete the number sentence.

$7 \times 3 = 21$

Is there more than one way to draw the array?

6 Draw three different arrays to show 12

7 Draw dots to show each multiplication in two ways.
The first one has been done for you.

Multiplication	Array 1	Array 2
3 × 8		
2 × 5		
4 × 9		
6 × 1		

8 Can you see the multiplications 5×4 and 4×5 in the array?

Talk about it with a partner.

Day 5

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

a)
$5 \times 2 = 10$

b)
$7 \times 2 = 14$

c)
$4 \times £2 = £8$

2 a) Complete the number line.

0 2 4 6 8 10 12 14 16

b) Which times-table does the number line show?
Tick your answer.

1 times-table   2 times-table ✓

3 times-table

How do you know?

3 Complete the array and times-table fact so that they match.

a)
$2 \times 2 = 4$

b)
$2 \times 5 = 10$

c)
$2 \times 4 = 8$

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