



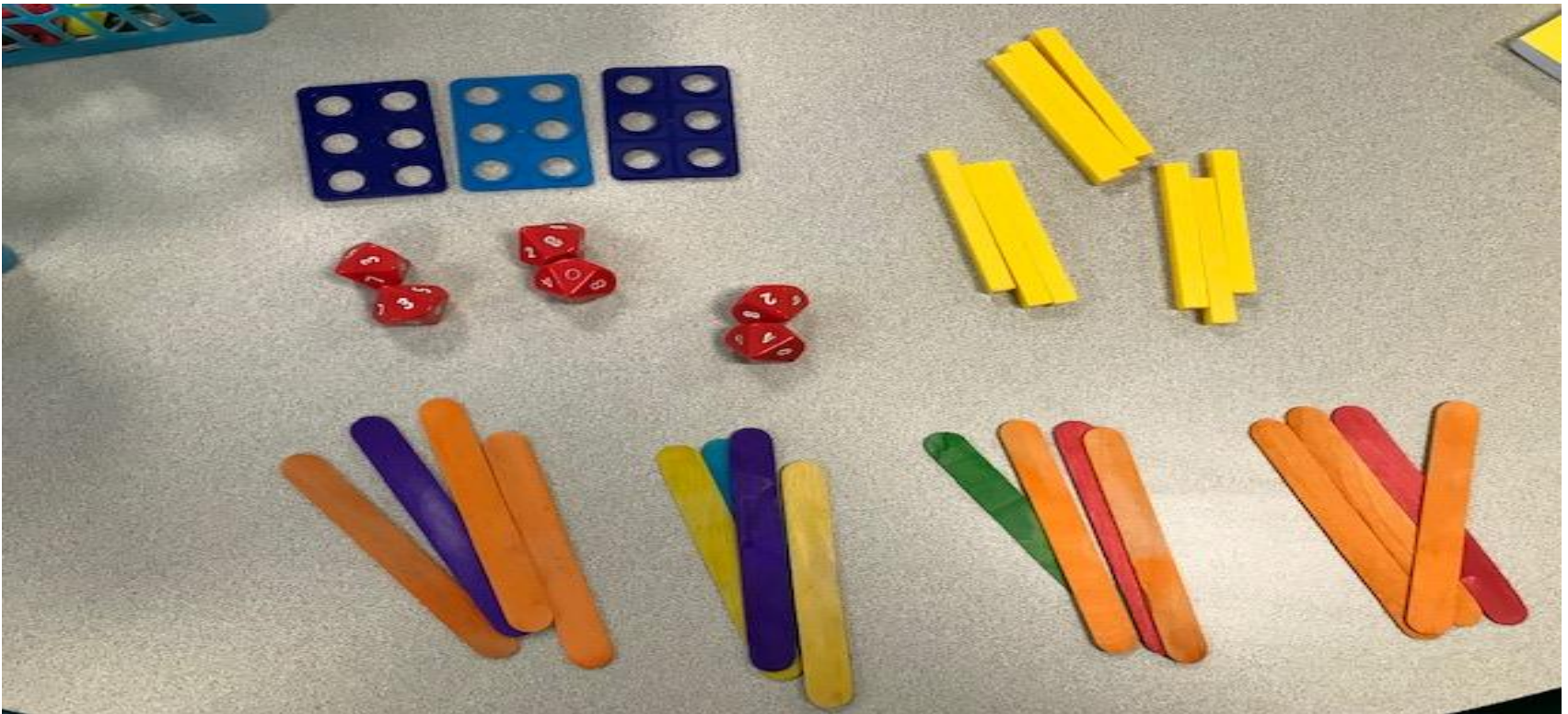
Term 4 Week 1 Lesson 1 Multiplying

WALT understand equal groups

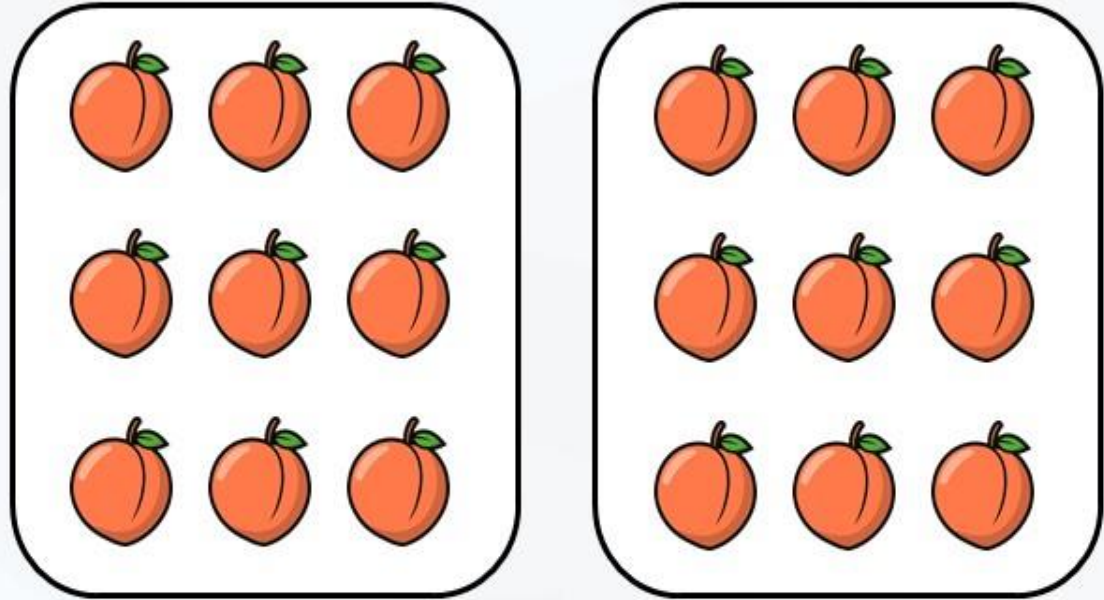
S2S I can

- say what an equal group is
- make equal groups
- describe equal

Do you remember learning about equal groups before the holiday? Putting objects into equal groups makes it easier to find the total. Can you make some equal groups with things you find at home?

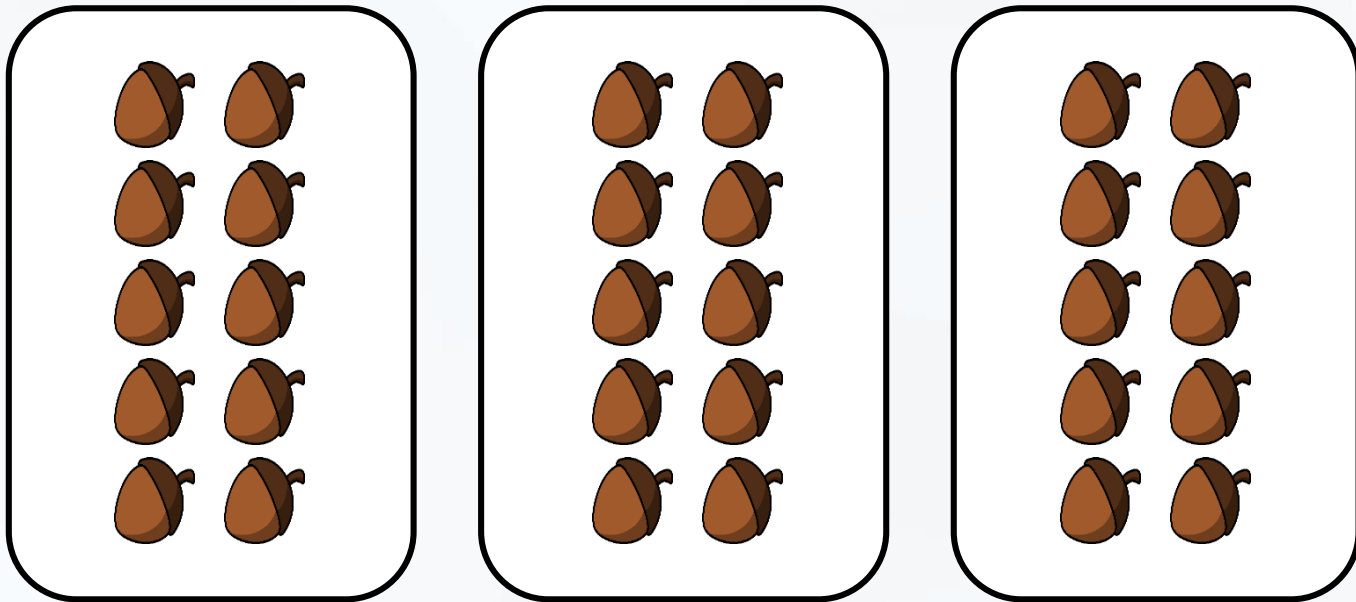


Complete the sentences.



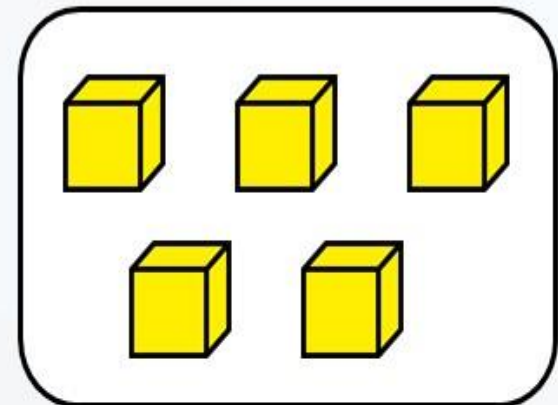
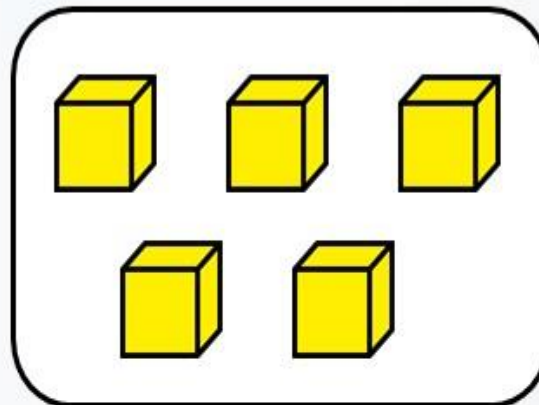
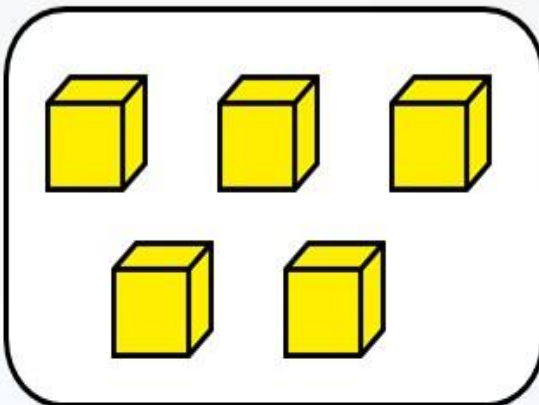
There are 2 equal groups with 9 in each group.

Complete the sentences.



There are 3 equal groups with 10 in each group.

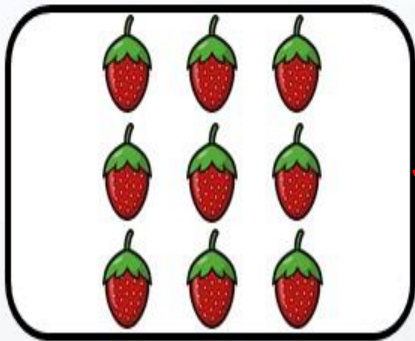
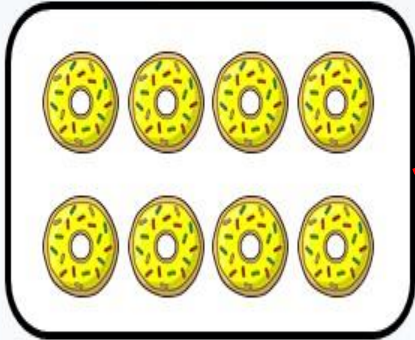
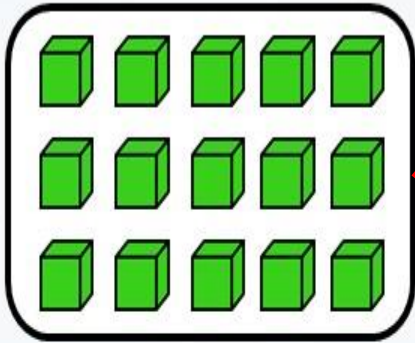
Tick (✓) the sentences that describes the groups



a) There are 5 equal groups with 3 in each group.

b) There are 3 equal groups with 5 in each group.

Match the pictures to the correct group number.



2 groups
of 4

3 groups
of 3

3 groups
of 5

Complete the following sentences.

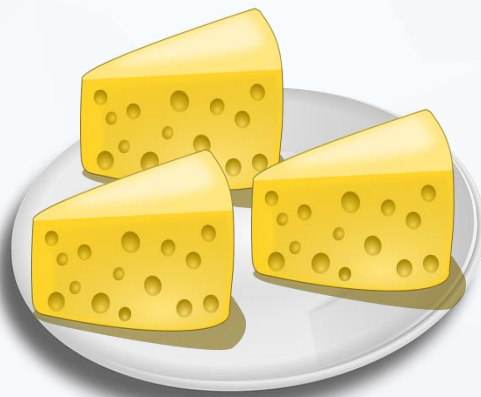


There are 2 equal groups with 4
in each group.

There are 2 groups of 4

$$\underline{4} + \underline{4} = 8$$

Complete the following sentences.

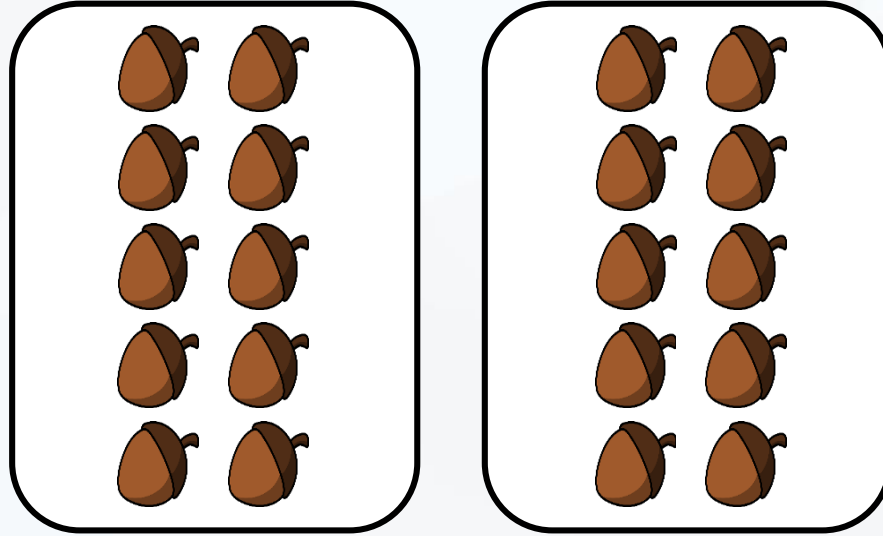


There are 3 equal groups with 3
in each group.

There are 3 3s.

$$\underline{3} + \underline{3} + \underline{3} = 9$$

Complete the following sentences.




There are 2 equal groups with 10
in each group.

There are two 10s.

$$\underline{10} + \underline{10} = 20$$

Here is today's learning. We are going to revisit our equal group work form before the break.


1 Complete the sentences below.

a 

There are _____ equal groups with _____ in each group.

There are _____ 5s.


_____ + _____ = 10

b 

There are _____ equal groups with _____ in each group.

There are three _____s.

_____ + _____ + _____ = 18

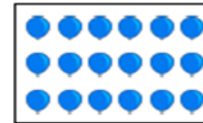
c 

There are _____ equal groups with _____ in each group.

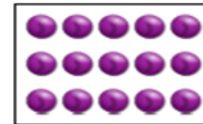
There are two _____s.

_____ + _____ = 24

Match the picture to the correct number sentences.



$3 + 3 + 3$



$4 + 4 + 4$



$6 + 6 + 6$



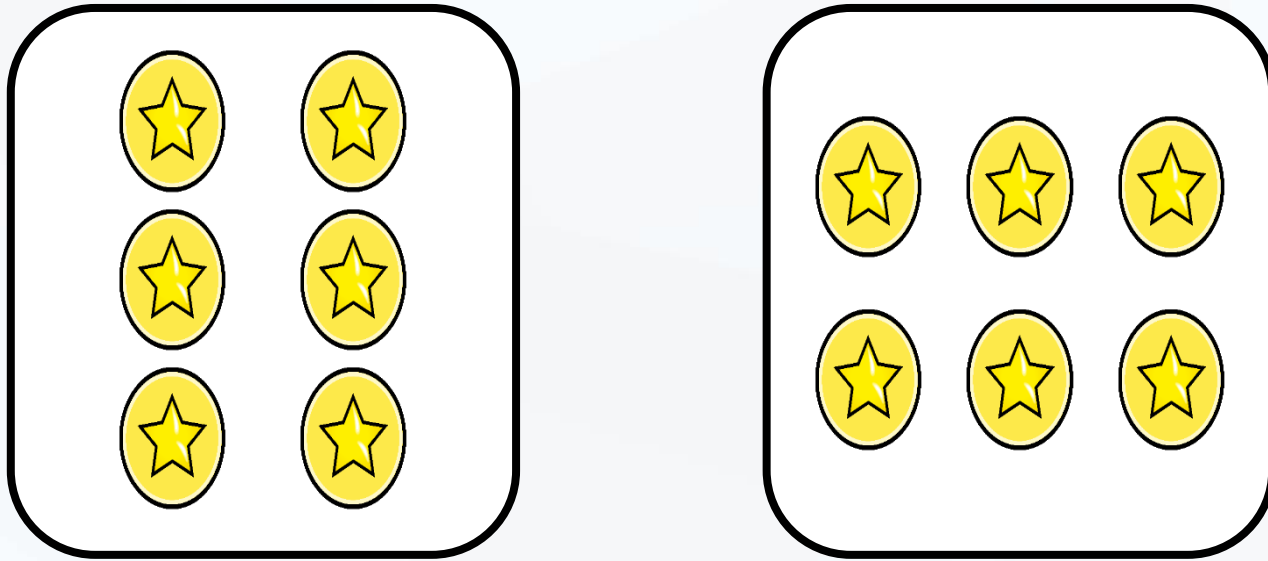
$5 + 5 + 5$

Jack says the picture below shows $3 + 3 + 3 + 3 + 3$.



Is Jack correct? Explain how you know.

Challenge: These groups are equal.



True or false? Explain how you know.

**True, these groups are both equal.
There are 6 stars in each group.**



Term 4 Week 1 Lesson 2

Multiplying

WALT recognise the multiplication symbol

S2S I can

- say what the x symbol is
- use a x symbol to describe equal groups
- begin to solve multiplication problems

Plenary challenge

Reasoning

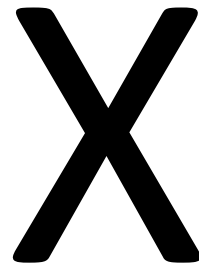
Ben says,



$$3 \times 4 = 4 + 4 + 4$$

Is Ben correct?
Explain how you know.

Do you know what this symbol means? Talk to your grown up or partner. Where have you seen it before?



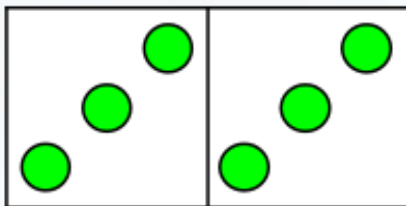
It's not a kiss!

Draw this symbol on your whiteboard.

Let's look at how we can use it.

Complete the sentences to describe the equal groups.

Fluency



$$\underline{3} + \underline{3} = 6$$

$$\underline{2} \times \underline{3} = 6$$

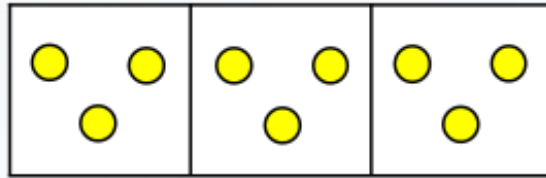
There are 2 equal groups with 3 in each group.

There are two 3s.

Let's look at these.

Complete the sentences to describe the equal groups.

Fluency



$$\underline{\quad 3 \quad} + \underline{\quad 3 \quad} + \underline{\quad 3 \quad} = 9$$

$$\underline{\quad 3 \quad} \times \underline{\quad 3 \quad} = 9$$

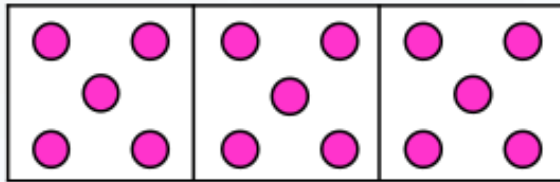
There are 3 equal groups with 3 in each group.

There are three 3s.

Let's look at these.

Complete the sentences to describe the equal groups.

Fluency



$$\underline{5} + \underline{5} + \underline{5} = 15$$

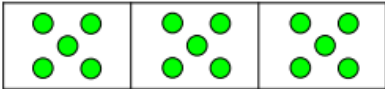
$$\underline{3} \times \underline{5} = 15$$

There are 3 equal groups with 5 in each group.

There are three 5s.

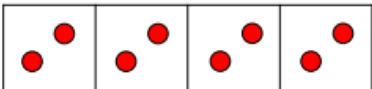
Here's our learning for today.

1 Complete the sentences to describe the equal groups.

a  _____ + _____ + _____ = 15
_____ x _____ = 15

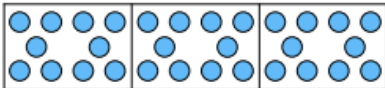
There are _____ equal groups with _____ in each group.

There are three _____s.

b  _____ + _____ + _____ + _____ = 8
_____ x _____ = 8

There are _____ equal groups with _____ in each group.

There are four _____s.

c  _____ + _____ + _____ = 30
_____ x _____ = 30

There are _____ equal groups with _____ in each group.

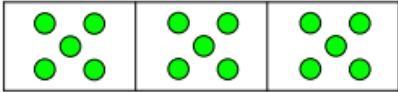
There are three _____s.

2 Complete the table below.

Addition	Multiplication
$5 + 5 + 5 + 5$	
	3×2
$10 + 10 + 10 + 10 + 10$	
	6×5

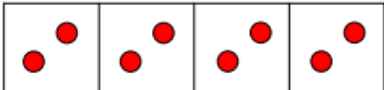
Answers

1 Complete the sentences to describe the equal groups.

a  $\underline{5} + \underline{5} + \underline{5} = 15$
 $\underline{3} \times \underline{5} = 15$

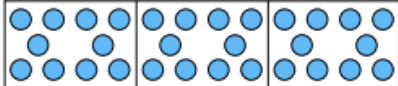
There are 3 equal groups with 5 in each group.

There are three 5s.

b  $\underline{2} + \underline{2} + \underline{2} + \underline{2} = 8$
 $\underline{4} \times \underline{2} = 8$

There are 4 equal groups with 2 in each group.

There are four 2s.

c  $\underline{10} + \underline{10} + \underline{10} = 30$
 $\underline{3} \times \underline{10} = 30$

There are 3 equal groups with 10 in each group.

There are three 10s.

2 Complete the table below.

Addition	Multiplication
$5 + 5 + 5 + 5$	4×5
$2 + 2 + 2$	3×2
$10 + 10 + 10 + 10 + 10$	5×10
$5 + 5 + 5 + 5 + 5 + 5$	6×5



Term 4 Week 1 Lesson 3

Multiplying

Starter

<http://www.snappymaths.com/multiplication/earlymult/interactive/repadd/repaddframe.htm>

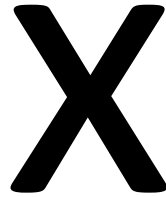
WALT recognise the multiplication symbol

S2S I can

- say what the x symbol is
- use a x symbol to describe equal groups
- match multiplication to repeated addition number sentences

Can you remember this symbol? Tell your partner what it is.
What does it mean? What does it help us do?

Practise writing some on your whiteboard or in the air.



Lots of

Everyone write: 1 lot of 2 = 2

Ask: How could we write that using a multiplication sign?

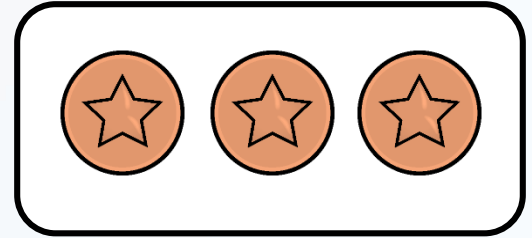
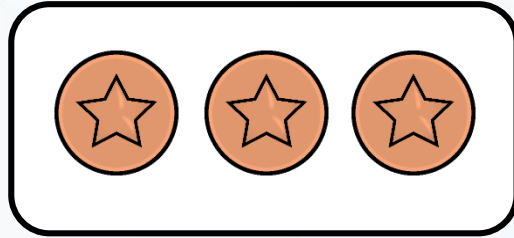
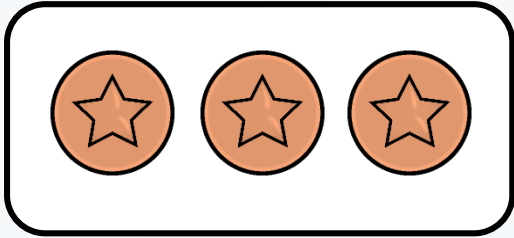
$$1 \times 2 = 2$$

Write these as a number sentence

- 2 lots of 2
- 2 lots of 2
- 3 lots of 2
- 4 lots of 2

Did you use the multiplication sign?
Let's look a few together.

Complete:

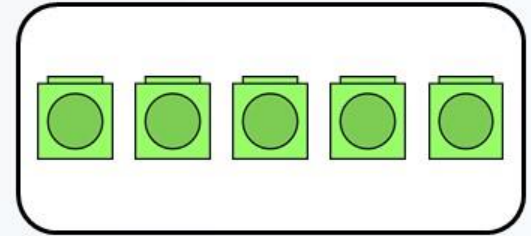
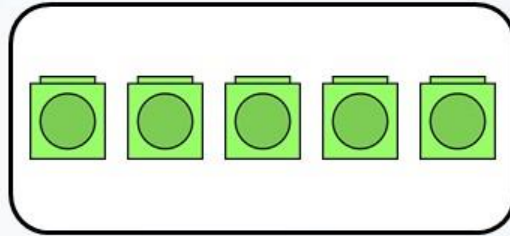
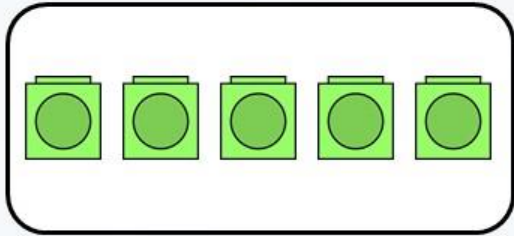


$$\underline{3} \times \underline{3} = \underline{9}$$

$$\underline{3} \text{ lots of } 3 = \underline{9}$$

$$\underline{3} \text{ multiplied by } \underline{3} = 9$$

Complete:

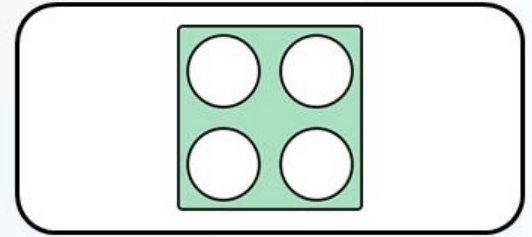
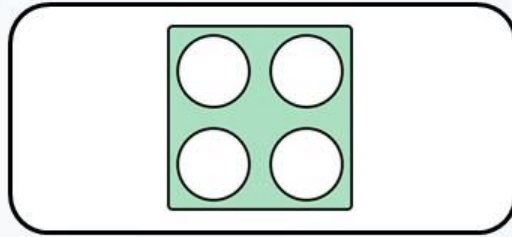
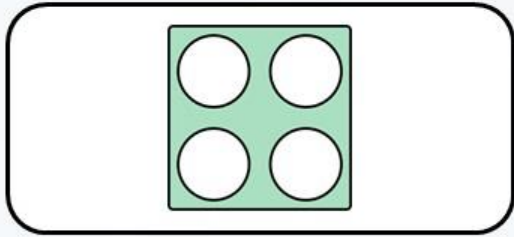


$$\underline{3} \times \underline{5} = \underline{15}$$

$$\underline{3} \text{ lots of } 5 = \underline{15}$$

$$\underline{3} \text{ multiplied by } \underline{5} = 15$$

Complete:

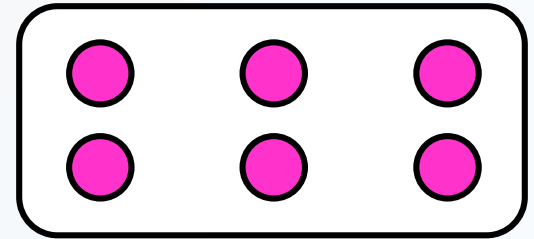
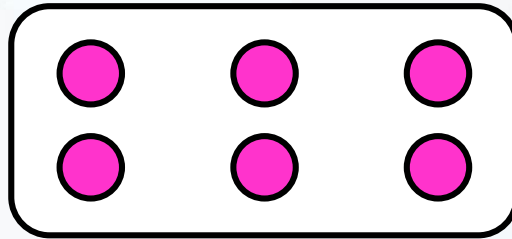
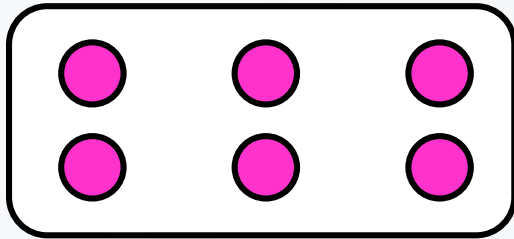


$$\underline{3} \times \underline{4} = \underline{12}$$

$$\underline{3} \text{ lots of } 4 = \underline{12}$$

$$\underline{3} \text{ multiplied by } \underline{4} = 12$$

Complete:



$$\underline{3} \times \underline{6} = \underline{18}$$

$$\underline{3} \text{ lots of } 6 = \underline{18}$$

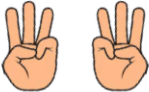




$$\underline{3} \text{ multiplied by } \underline{6} = 18$$

Today we are going to play a matching game. You can use the first sheet or both if you want a challenge!

Group match up




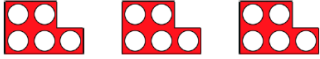

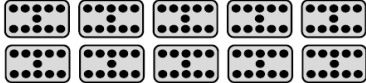

Cut out the cards and match the picture to its addition and multiplication number sentences.

	$7 + 7$	2×3
	$3 + 3$	10×5
	$2 + 2 + 2 + 2 + 2$	5×2
	$5 + 5 + 5$	2×7
	$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5$	3×5

Group match up



Cut out the cards and match the picture to its addition and multiplication number sentences.






	$3 + 3 + 3 + 3 + 3$	5×3
	$11 + 11 + 11 + 11 + 11 + 11 + 11 + 11 + 11 + 11$	3×5
	$5 + 5$	5×2
	$2 + 2 + 2 + 2 + 2$	2×5
	$5 + 5 + 5$	10×11

Answers

Answers - Group match up



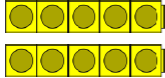
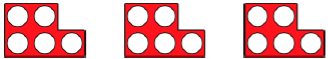

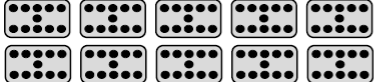

Cut out the cards and match the picture to its addition and multiplication number sentences.

	$3 + 3$	2×3
	$5 + 5 + 5$	3×5
	$7 + 7$	2×7
	$5 + 5 + 5 + 5 + 5 + 5$ $+ 5 + 5 + 5 + 5$	10×5
	$2 + 2 + 2 + 2 + 2$	5×2

Answers - Group match up



Cut out the cards and match the picture to its addition and multiplication number sentences.

	$5 + 5$	2×5
	$5 + 5 + 5$	3×5
	$3 + 3 + 3 + 3 + 3$	5×3
	$11 + 11 + 11 + 11 + 11 + 11$ $+ 11 + 11 + 11 + 11$	10×11
	$2 + 2 + 2 + 2 + 2$	5×2

Challenge

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



Term 4 Week 1 Lesson 4

Multiplying

Starter

<http://www.snappymaths.com/multiplication/earlymult/interactive/repadd/repaddframe.htm>

WALT use arrays

S2S I can

- recognise the multiplication symbol
- use a x symbol to describe equal groups
- begin to solve multiplication problems

Working with a partner or your grown up,
make a list of the different ways of saying

$$5 \times 3$$

Did you have any of these on your list?

5 lots of 3.

5 equal groups of 3.

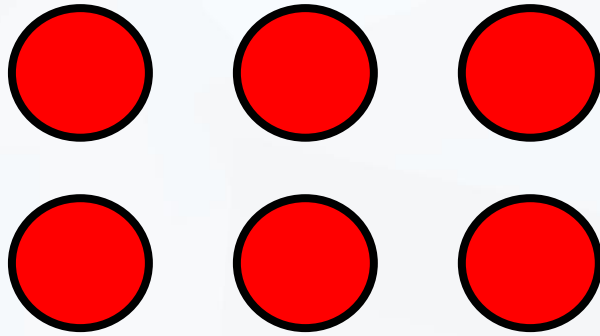
3, 5 times.

$$3 + 3 + 3 + 3 + 3$$

What are arrays? Can you remember learning about arrays before the holiday? Can you remember what they were made up of?

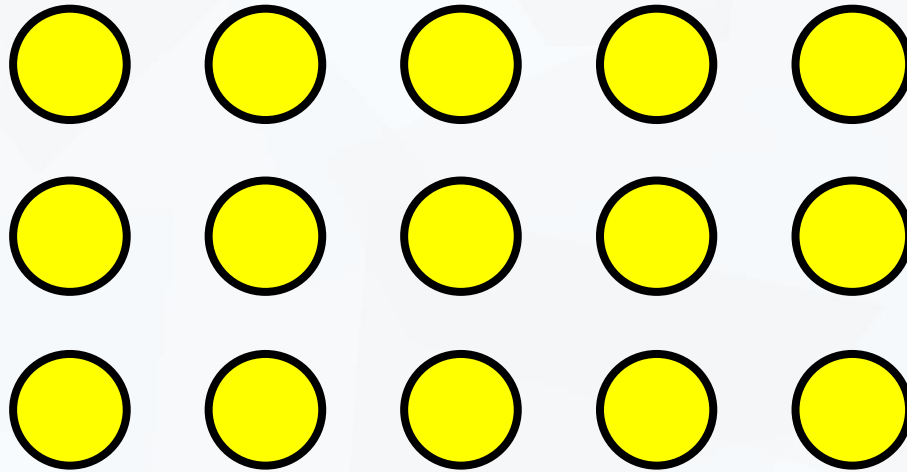
- <https://www.youtube.com/watch?v=ks-q6gKoQKs>

Write number sentences to match the array.



2 x 3 and 3 x 2

Write number sentences to match the array.

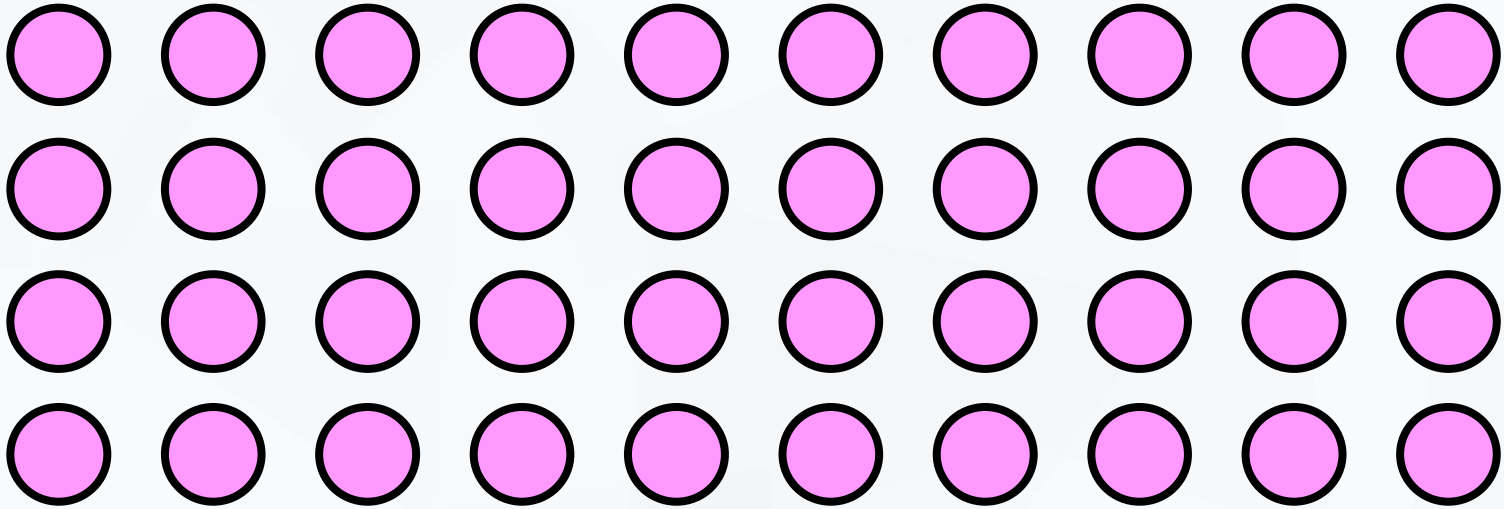


$$\underline{\quad 3 \quad} \times \underline{\quad 5 \quad}$$

and

$$\underline{\quad 5 \quad} \times \underline{\quad 3 \quad}$$

Write number sentences to match the array.



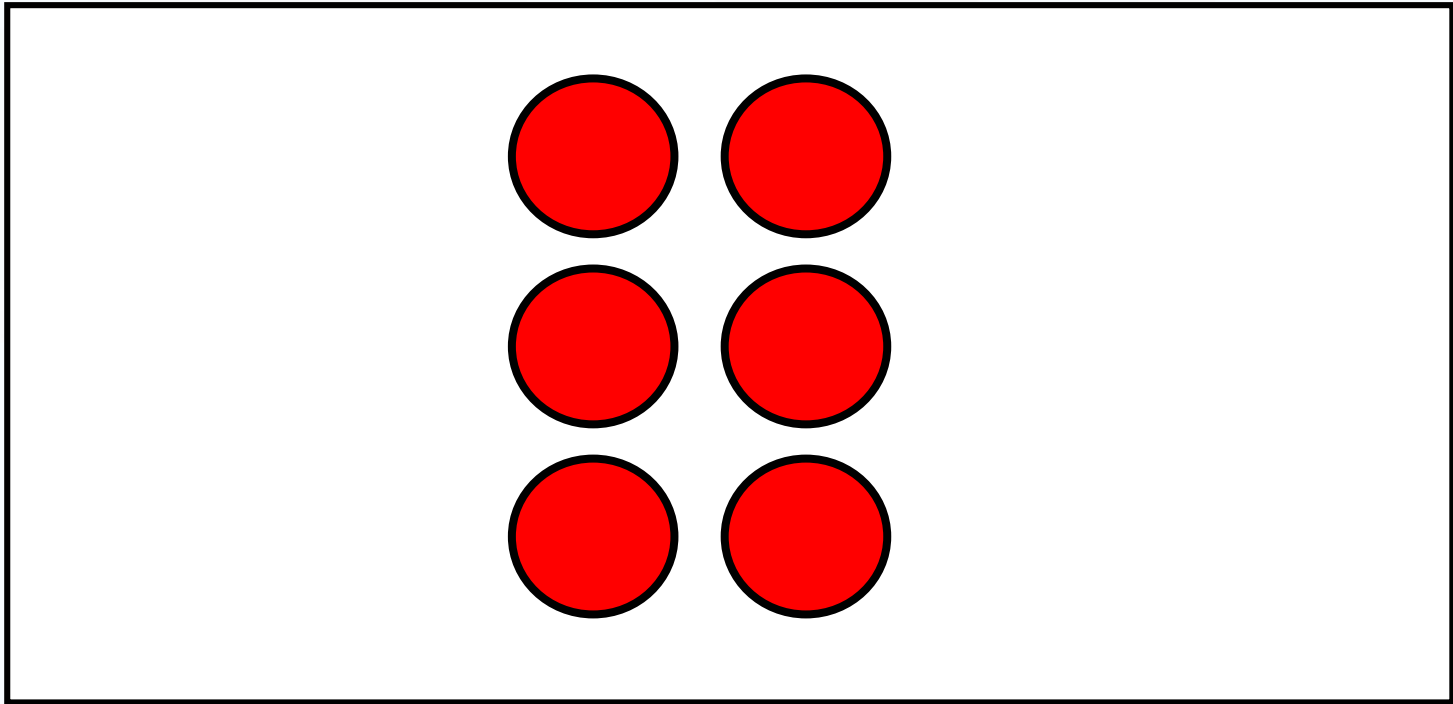
4 x 10 and 10 x 4

Write number sentences to match the array.



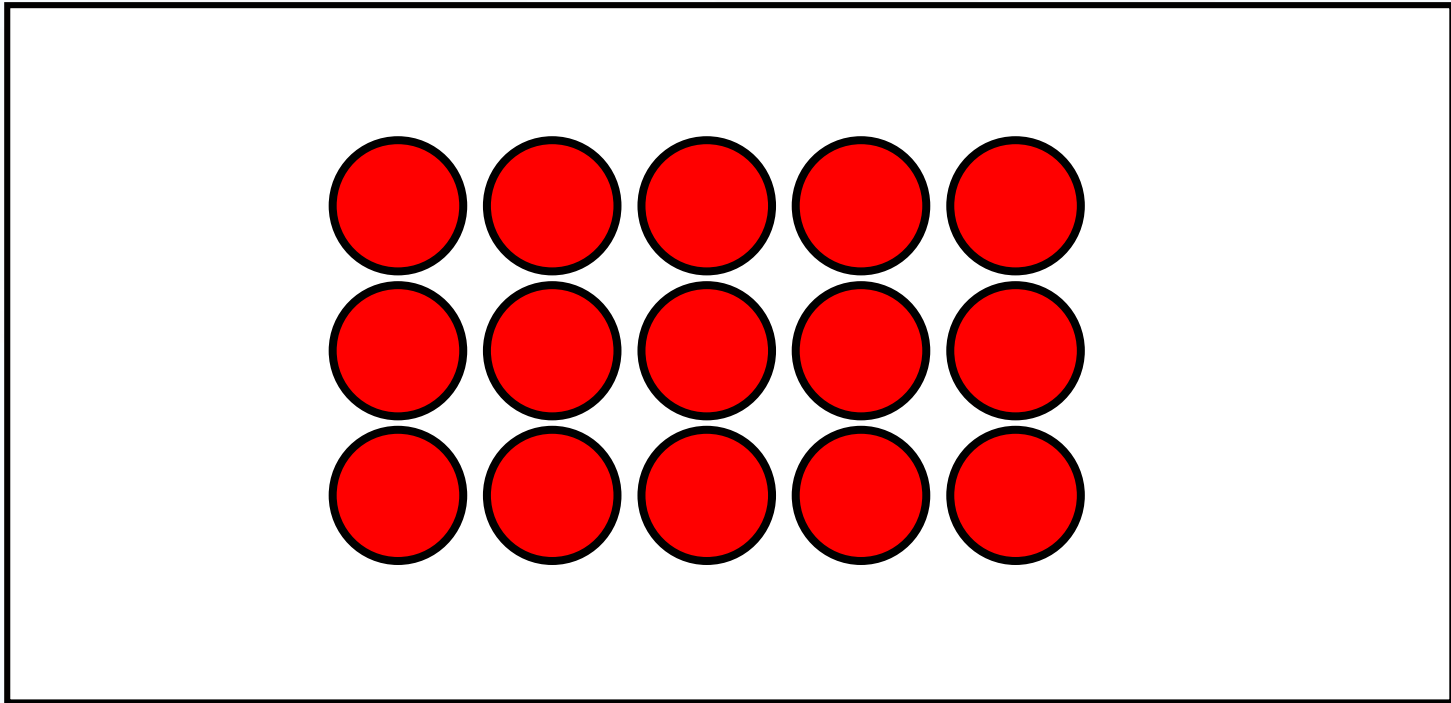
4 x 2 and 2 x 4

Draw an array that will show 3×2 .



How else could you describe this array? 2 x 3

Draw an array that will show 5×3 .



How else could you describe this array? 3 x 5

Here's today's learning. Can you write 2 multiplication number sentences to go with each array?

1 Complete the number sentences to describe the arrays.


a  _____ x _____ and _____ x _____

b  _____ x _____ and _____ x _____

c  _____ x _____ and _____ x _____

d  _____ x _____ and _____ x _____

e  _____ x _____ and _____ x _____

f  _____ x _____ and _____ x _____

g  _____ x _____ and _____ x _____

Answers

1 Complete the number sentences to describe the arrays.

a




2×4 and 4×2

b



4×5 and 5×4

c



5×10 and 10×5

d




2×7 and 7×2

e



6×5 and 5×6

f



2×9 and 9×2

g

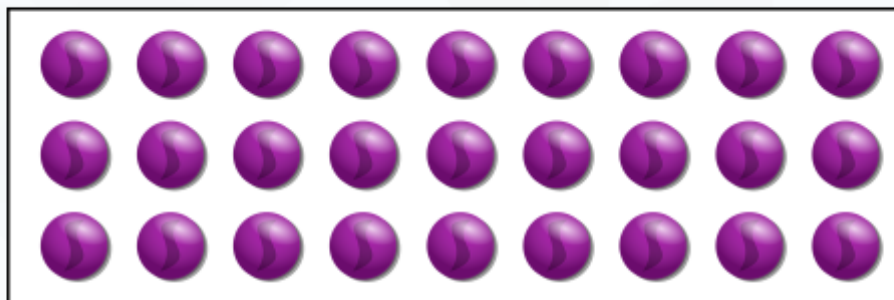


3×10 and 10×3

Plenary

The array below shows 3×10 .

Reasoning



True or false?
Example how you know.