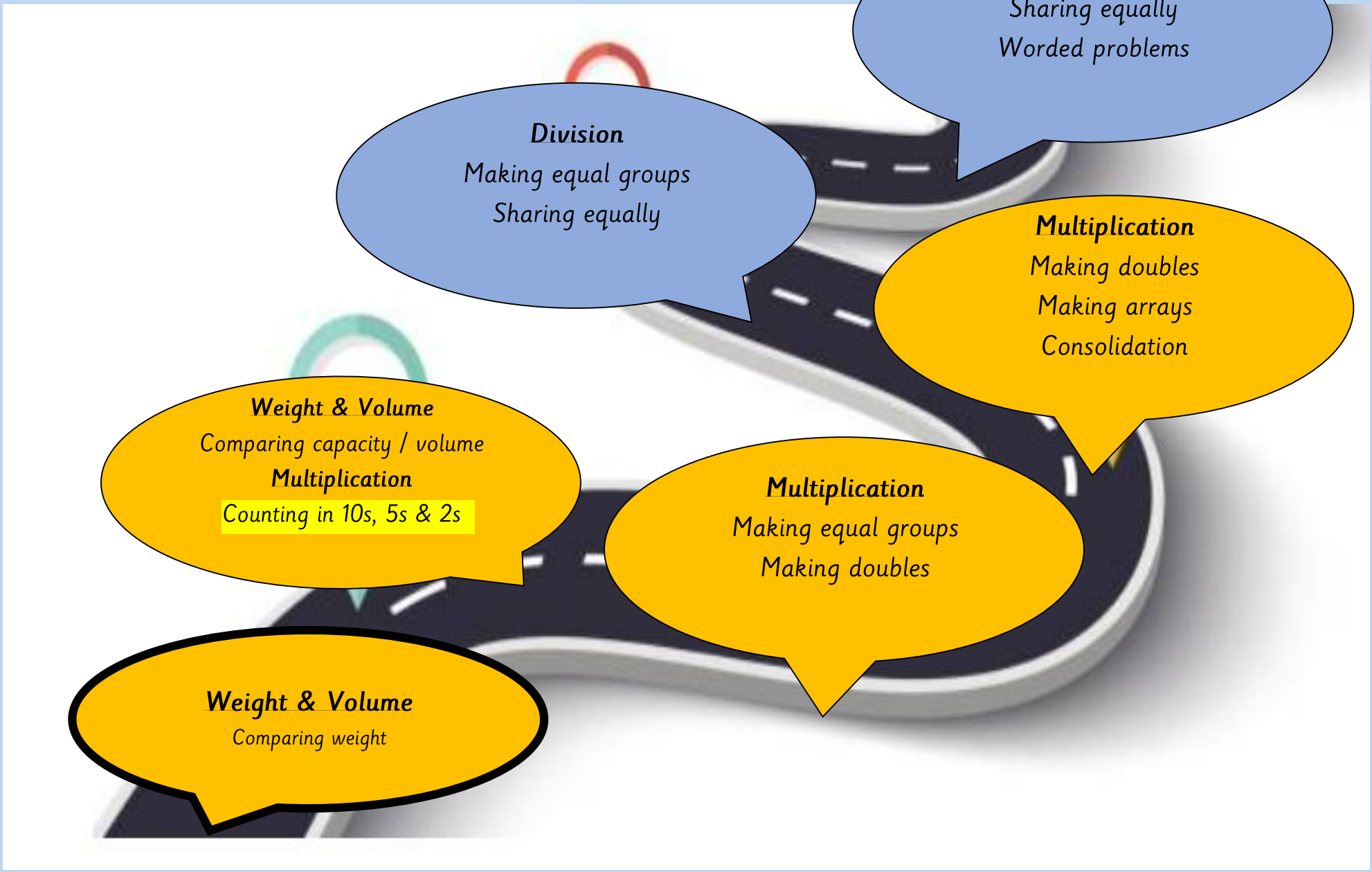
Monday 11th March 2024

Our Maths Learning Journey

Key vocabulary:
measure weight, capacity, volume, 2s, 5s, 10s, pattern, sequence, counting, groups, pair, unequal, share



3 How many chocolates are in each row and column?

CHALLENGE

How many chocolates are in each box?

a)

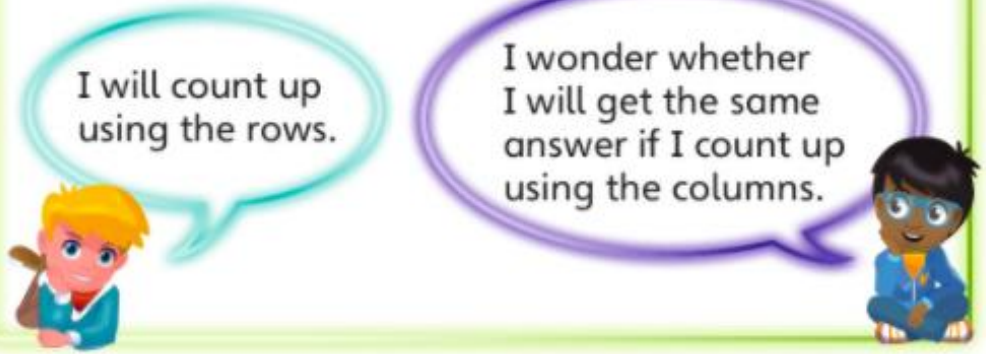
b)

c)

There are ☐ chocolates in a row.

There are ☐ chocolates in a column.

There are ☐ chocolates in the box.



L.Q. Can I count in 2's & 5's?

How many shoes are there?

Count in 2's.

How many groups are there?

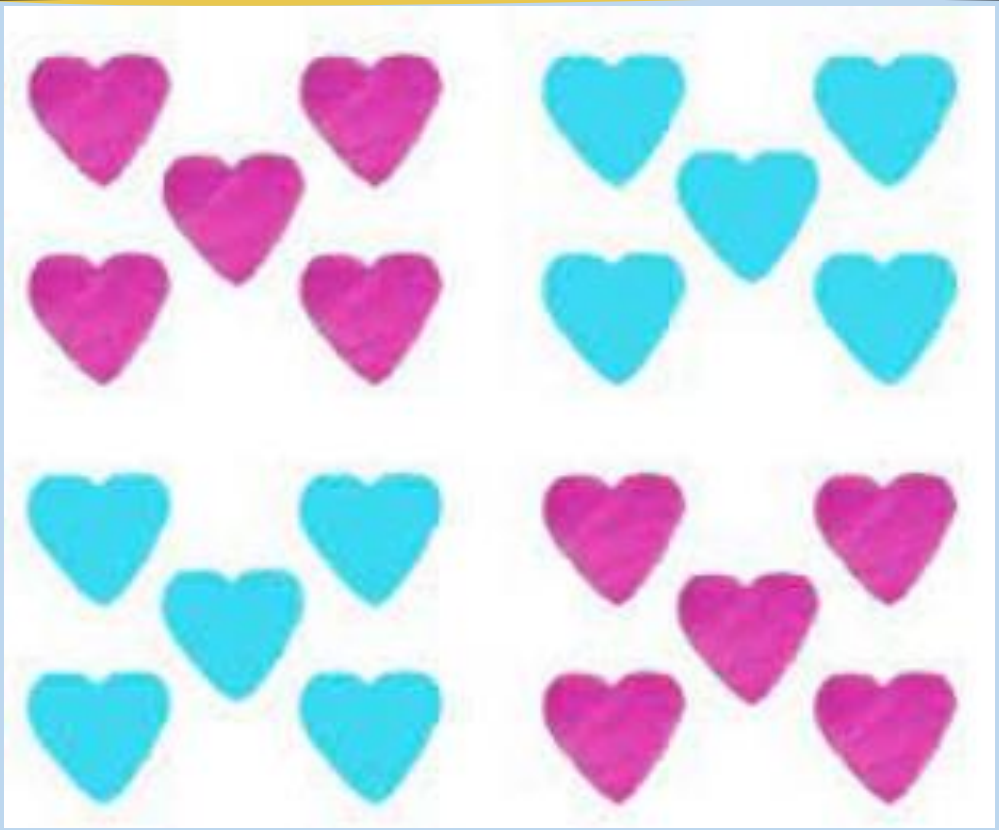
Let's circle the groups.

How many hearts are there?

Count in 5's.

How many groups are there?

Let's circle the groups



11.03.24

L.Q. Can I make doubles?

Steps to success

I can find the double of a given number.
I can explain what doubles are, using the appropriate vocabulary.
I can use representations that I am familiar with to show doubles.

Star words

doubles

groups

add

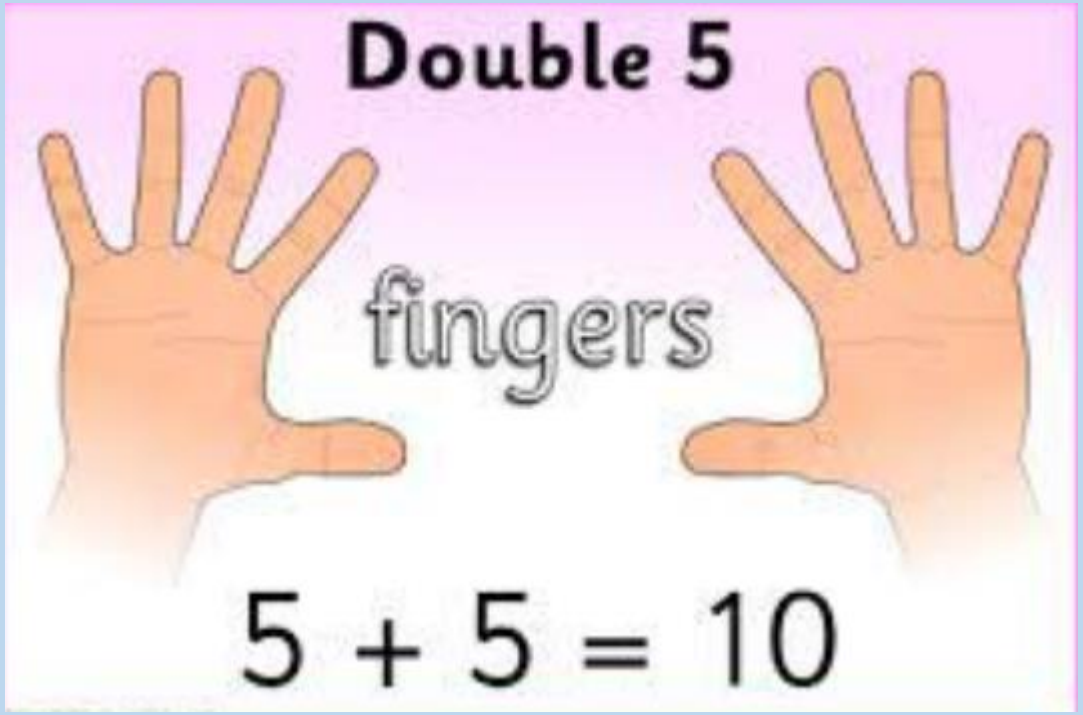
+

total

=

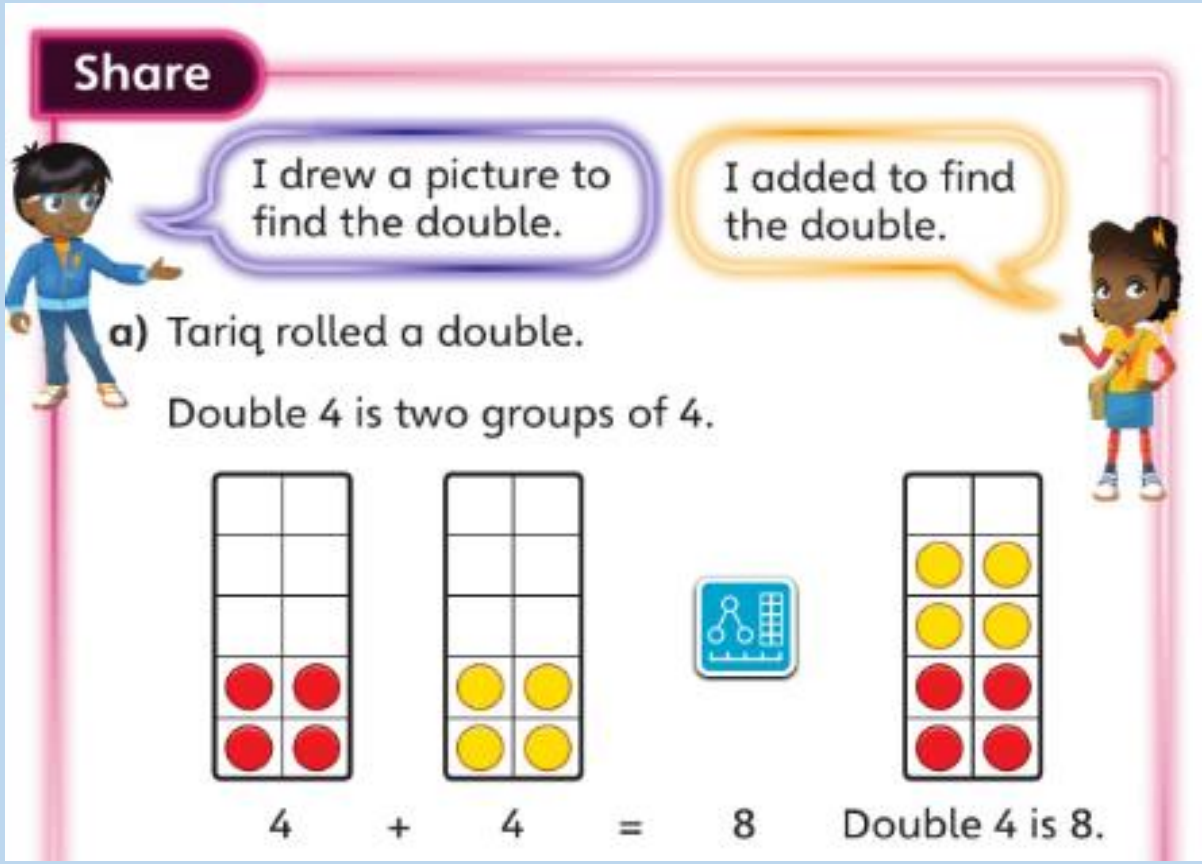
Let's make doubles using our fingers on both hands.

Show me double…



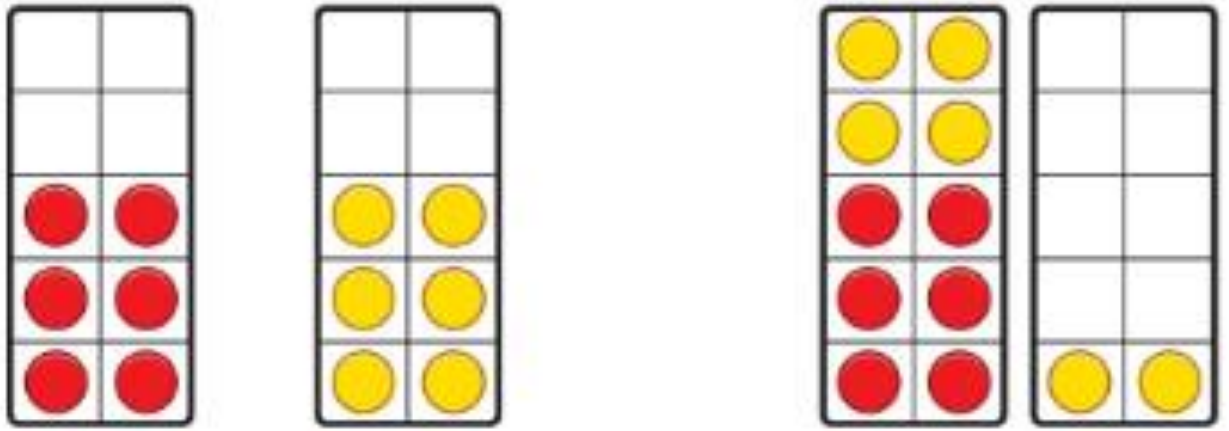
TPs: Who rolled doubles?

What is double 4?

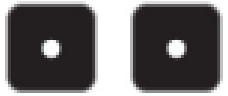
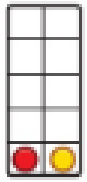
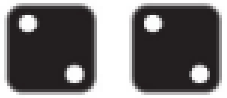
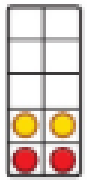
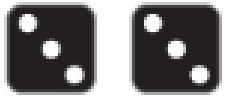
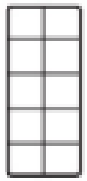
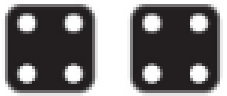
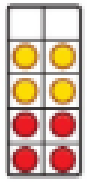
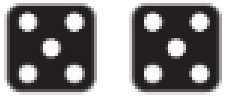
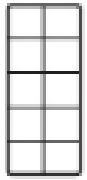
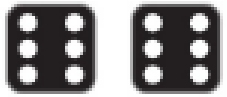
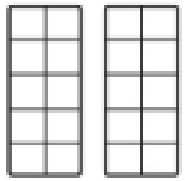


What is double 6?

b) Double 6 is two groups of 6.



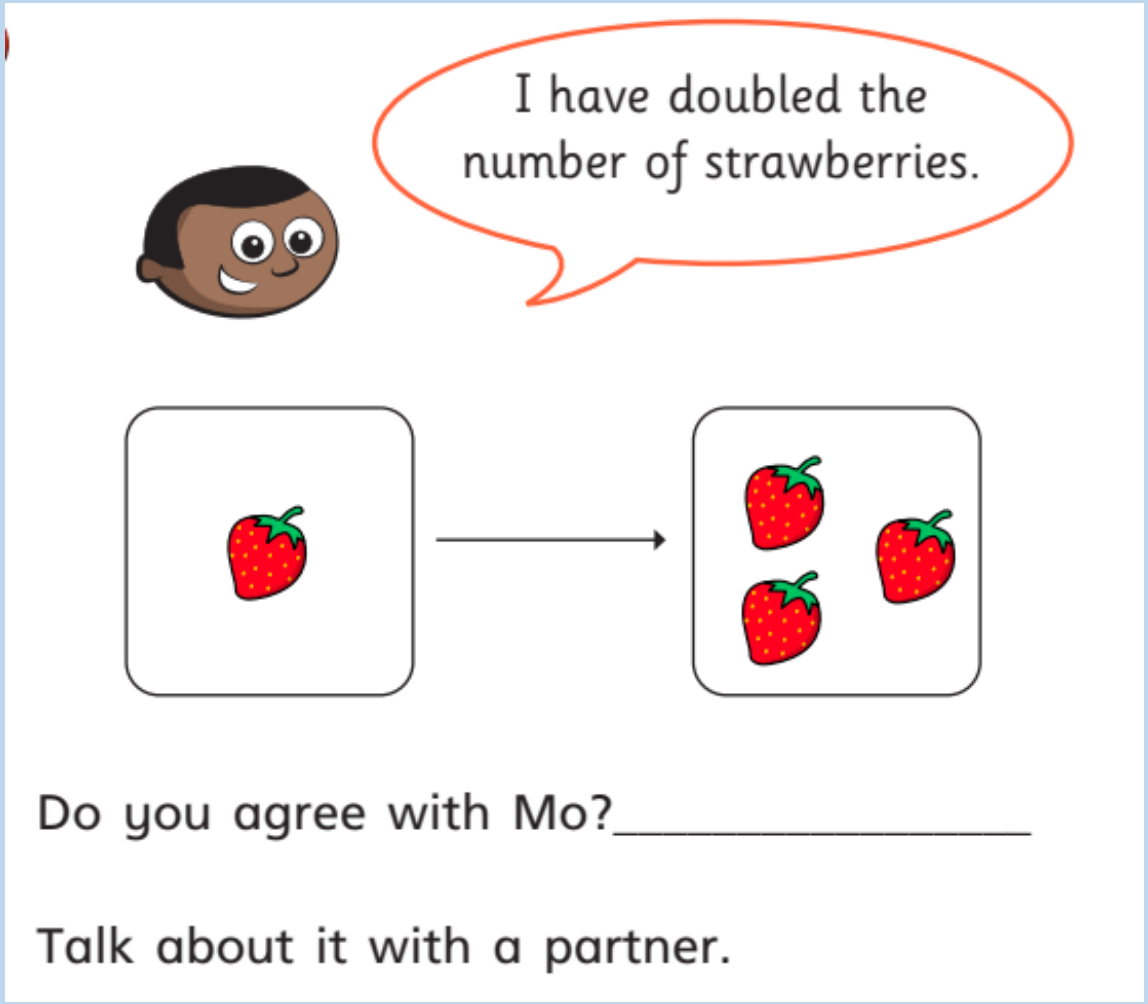
6 + 6 = 12 Double 6 is 12.

Number	Double	
		1 + 1 = 2
		2 + 2 = ☐
		3 + 3 = ☐
		4 + ☐ = ☐
		☐ + ☐ = ☐
		6 + 6 = 12

Let's complete this table together.

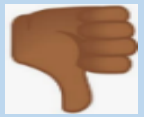
LQ: Can I make doubles?

11.03.24



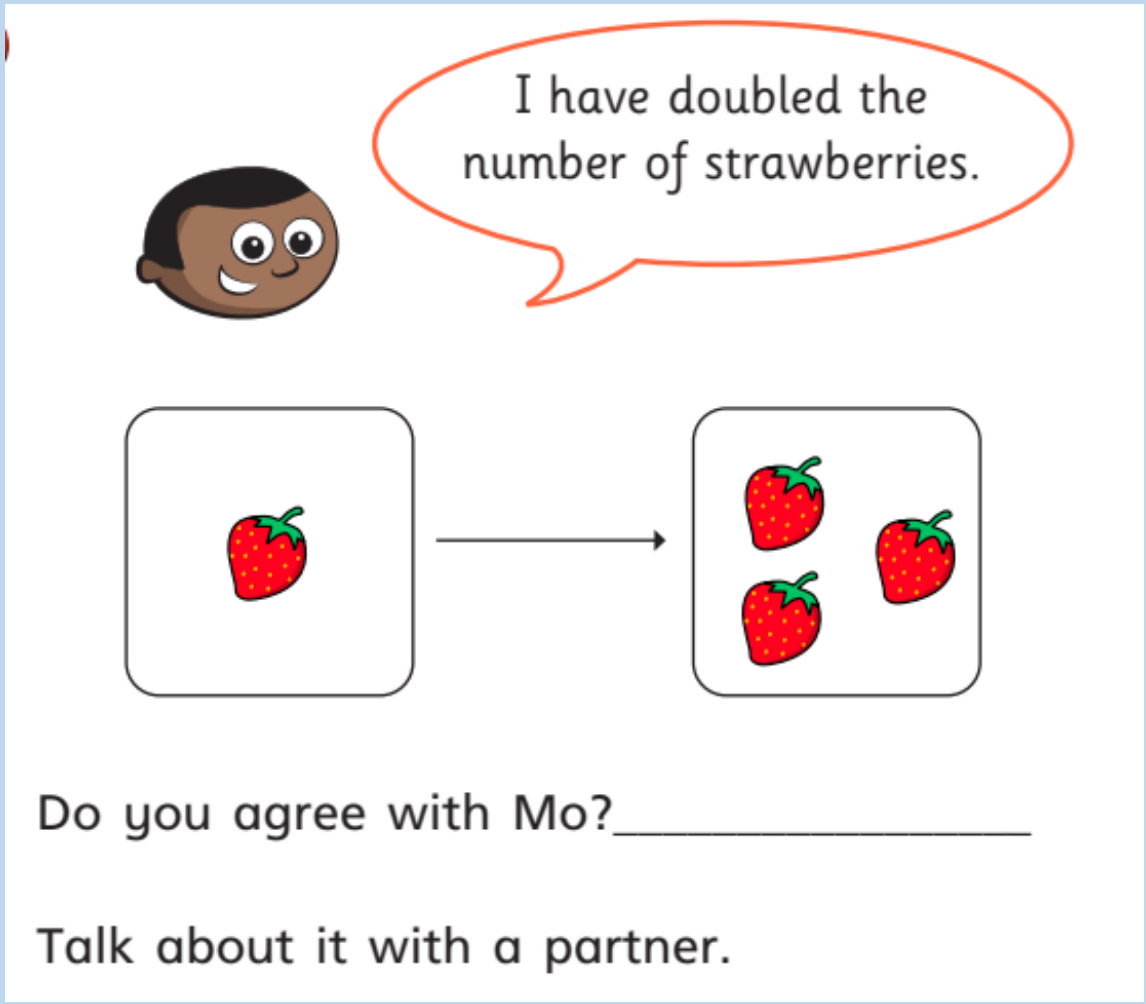
Yes, he is correct because_____.

No, he is incorrect because_____.

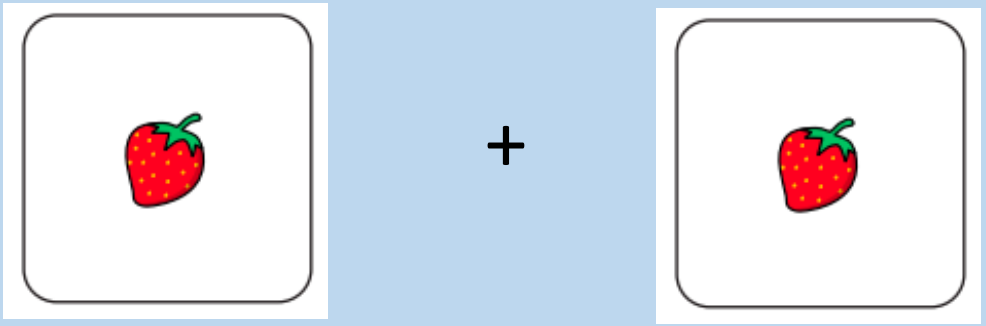


Self assessment

Do you understand the reasoning task?



No, he is incorrect because double 1 is 2.



LQ: Can I make doubles?

Your task

11.03.24

1.

Find and draw the double for these numbers.

3 5 8 9 13

Explain your work using the stem sentence.

Stem Sentence:

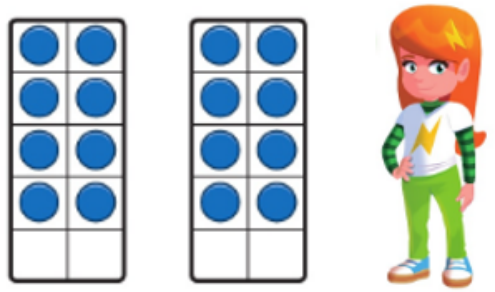
Double ____ is ____

Challenge: Show your working out using number sentences.

2.

Astrid says double 8 is 16.

Is she correct? Explain how you know.



Stem Sentence:

Yes, she is correct because…

No, she is incorrect because…

3.

On Monday Miss Clarke ate 6 sweets.

On Tuesday, she ate double that amount.

How many sweets did she eat on Tuesday?

Today I played a game with a partner. I took turns to roll a dice and counted the corresponding number of objects. Then I doubled it and counted the total. I used the stem sentence 'Double ___is___' to explain my work.

Self assessment

Do you understand the tasks?

Tuesday 12th March 2024

L.Q. Can I make doubles?

12.03.24

Work out the doubles for the following numbers.

Use your fingers to help you.

3 5 2 4

12.03.24

L.Q. Can I make simple arrays?

Steps to success

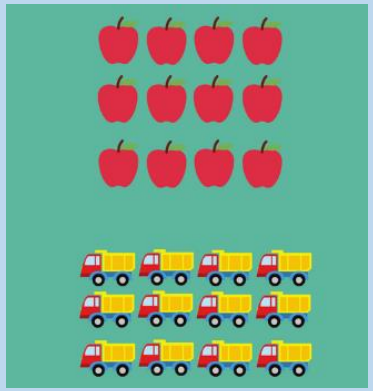
I can recognise arrays as equal groups.

I know that arrays have rows and columns.

I can explain arrays can be read in two ways.

Star words

arrays



groups

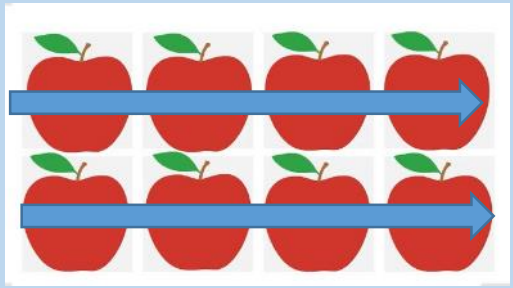
addition

+

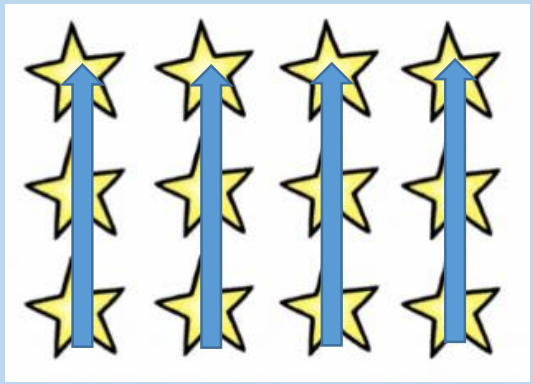
total

=

rows



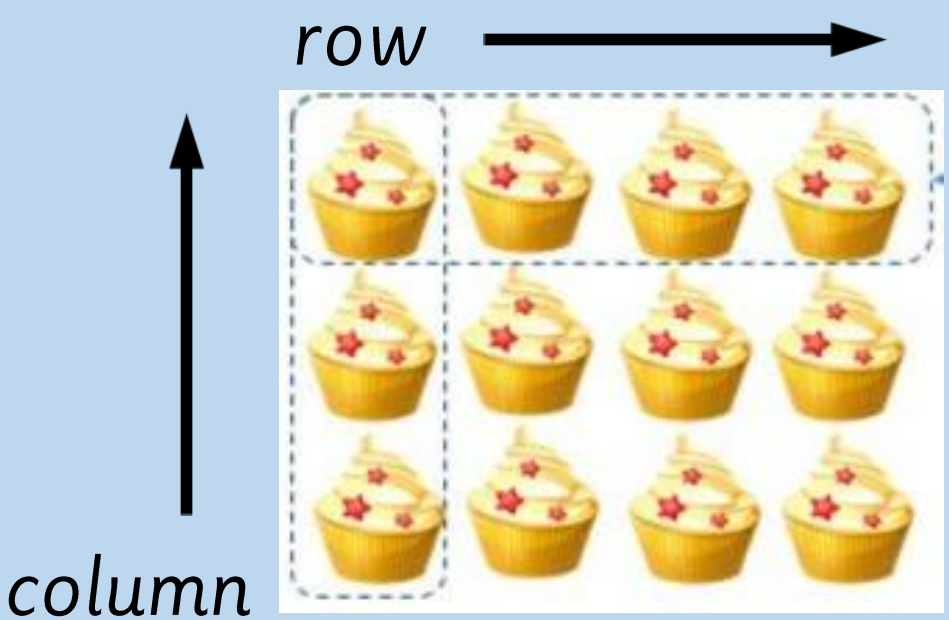
columns

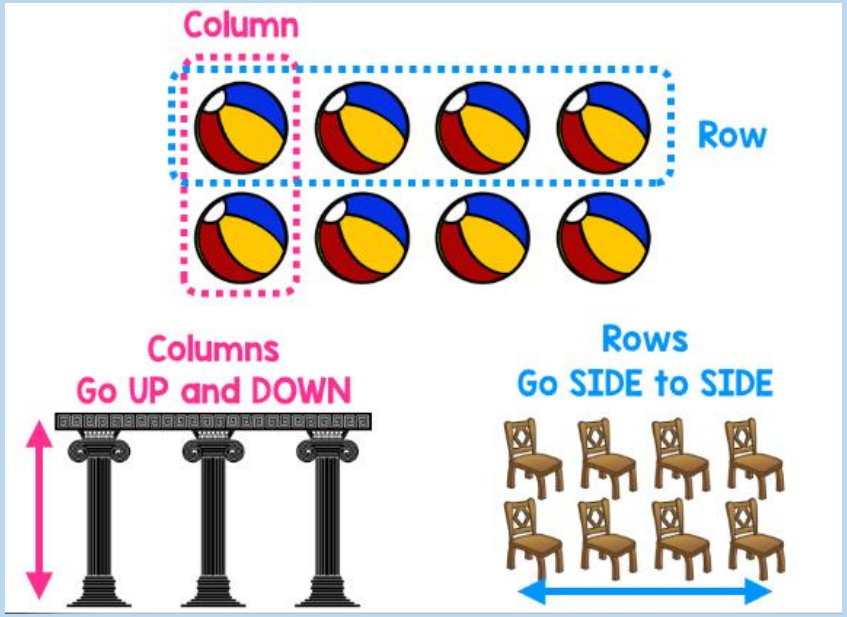


repeated addition

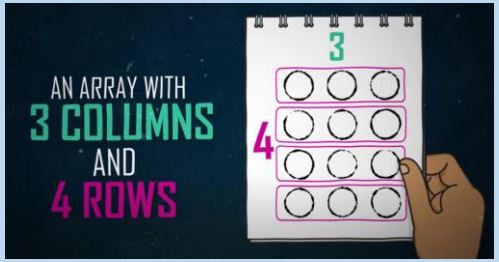
+

TP's: What do you notice?



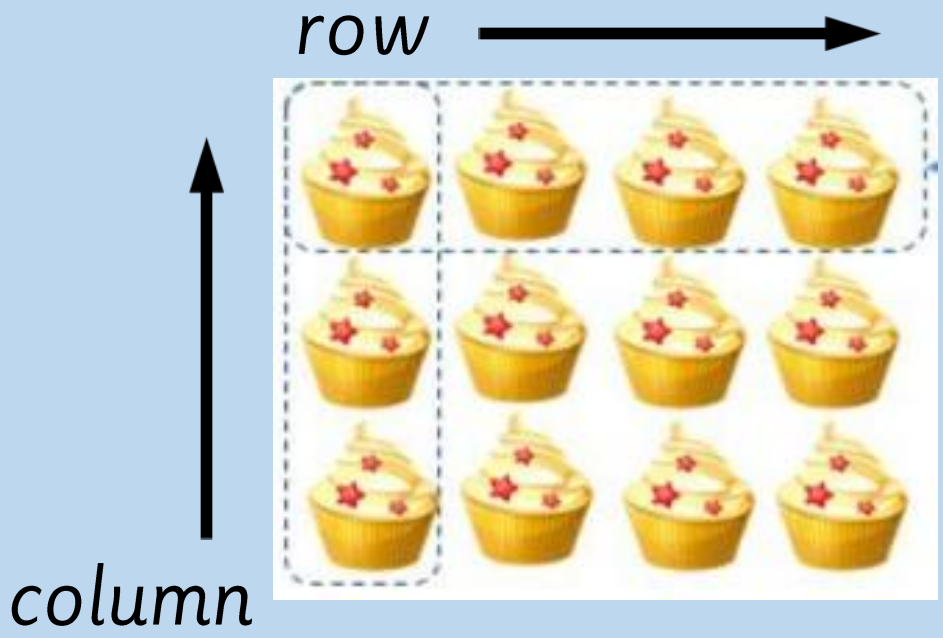


https://www.youtube.com/watch?v=gzFbUZ8VjEg



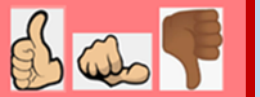
This is called an **array**.

Array means when pictures or objects are arranged in **rows** and **columns**. They can help us to count objects more efficiently (without making silly mistakes).



Self assessment

Do you understand what array mean?

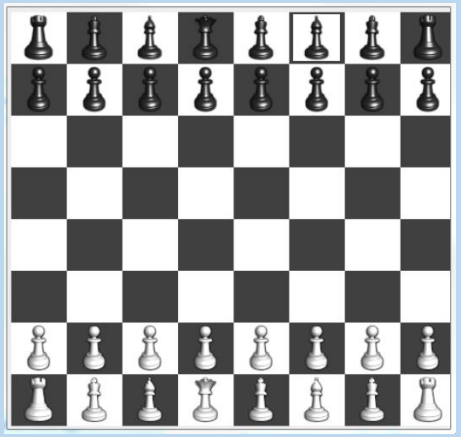


In the real world there are arrays all around us.

Egg box

Chocolate box

Chocolate bar



Chess board

Ice cube tray

Window panes

Cake tray

TP's: What do you notice?

They are in rows and columns.

TP's: How many rows?
How many columns?
How many stars are there altogether?

Remember: You don't need to count every star.
For this one you could count in 5s!

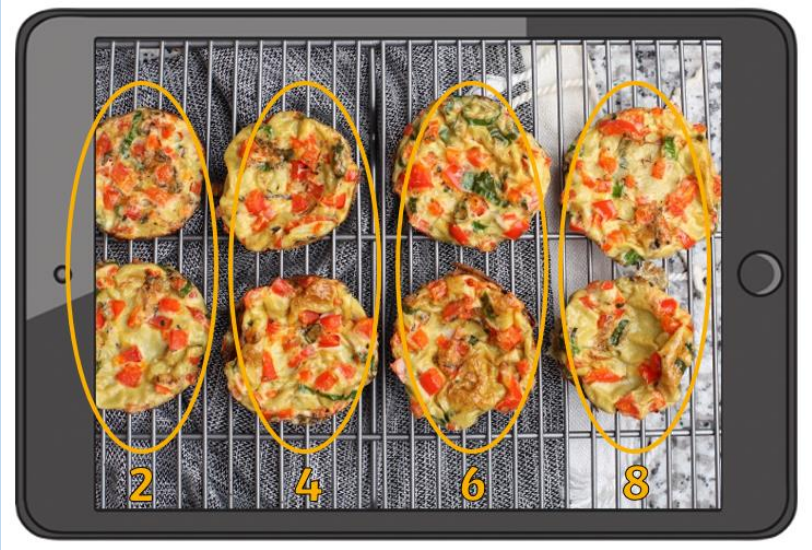
There are **5** rows of **5** stars.

There are **5** columns of **5** stars.

We can show this as:
5+5+5+5+5=25

This is called a repeated addition. Repeated addition is adding lots of equal groups together.

TP's: How many muffins are there?



Instead of counting one by one, we can skip count by twos.

Or count them by four by doubling it.

How many rows? How many columns?

Stem sentence:

There are _____ rows of ___ muffins.

There are ____ columns of ___ muffins.

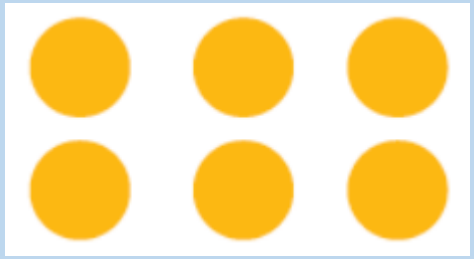
There are 2 rows of 4 muffins.

There are 4 columns of 2 muffins.

We can show this as:

4+4=8 or as repeated addition 2+2+2+2+=8

Let's practise making arrays with the counters or cubes. Remember to arrange them neatly in rows and columns (evenly spaced out) so we can count them efficiently.



2 groups of 3: 3+3=6

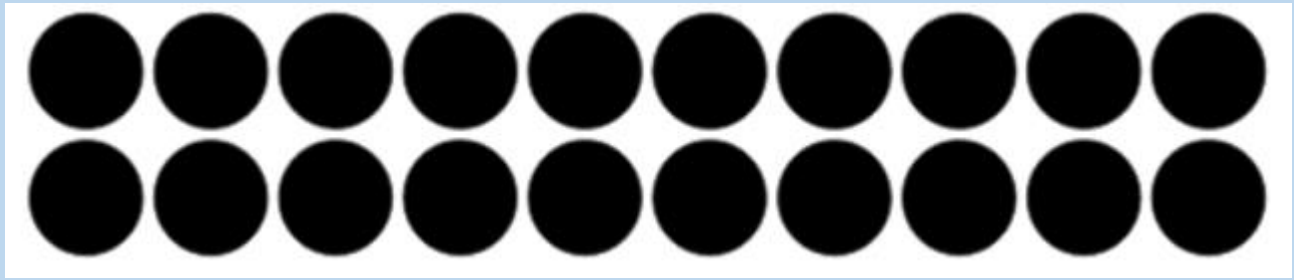
or

3 groups of 2: 2+2+2=6

5 groups of 3: 3+3+3+3+3=15

or

3 groups of 5: 5+5+5=15



2 groups of 10: 10+10=20

or

10 groups of 2: 2+2+2+2+2+2=2+2+2+2=20

Challenge: What will the number sentences look like for each one?

Your task

Work with a partner and make simple arrays for the following numbers. Use counters or cubes and tell your partner how many rows and columns there are. Explain how many counters are in each row and each column.

4 6 8 10 12 15 20 30

Remember to arrange the concrete objects neatly in rows and columns evenly spaced out.

Self assessment

Do you understand the task?

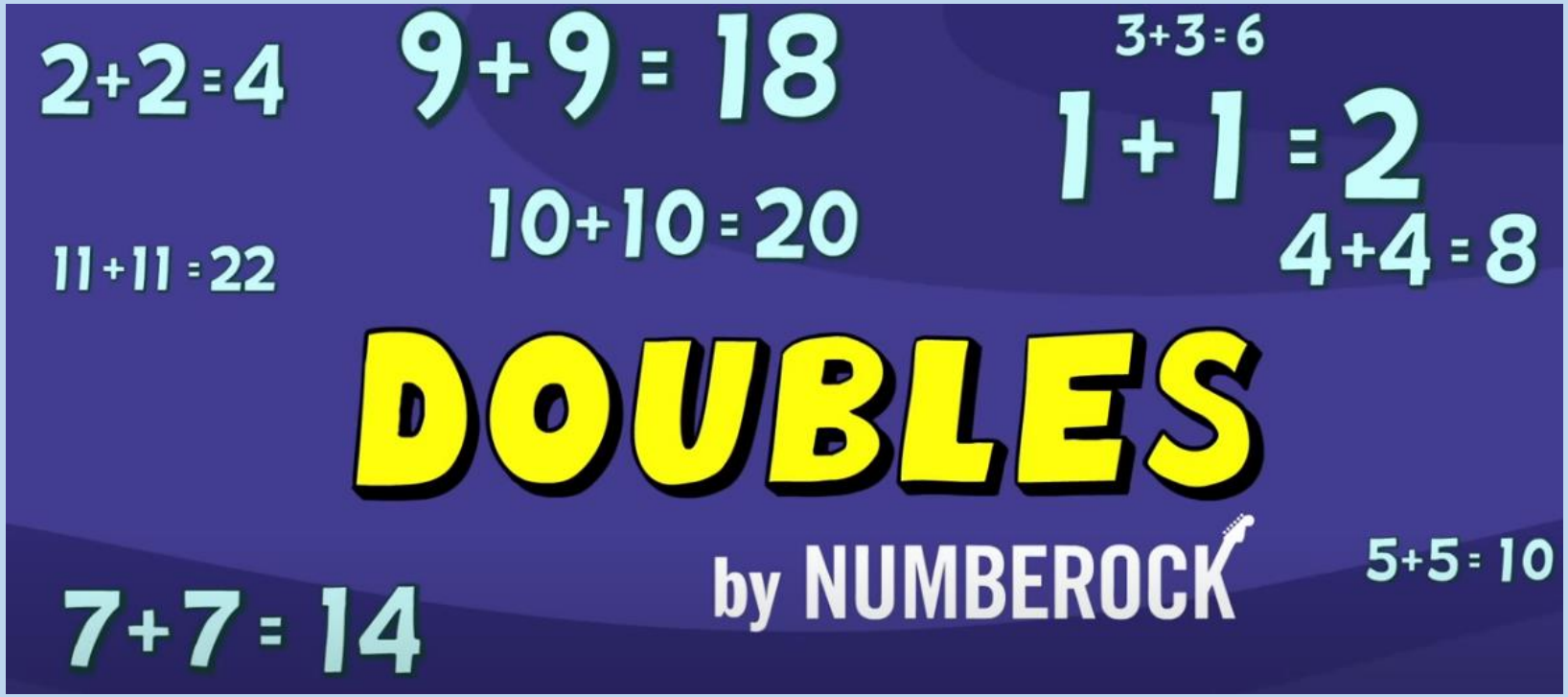
Wednesday 13th March 2024

L.Q. Can I make doubles?

13.03.24

Let's make doubles

https://www.youtube.com/watch?v=OYWclXKzOJo



13.03.24

L.Q. Can I make simple arrays?

Steps to success

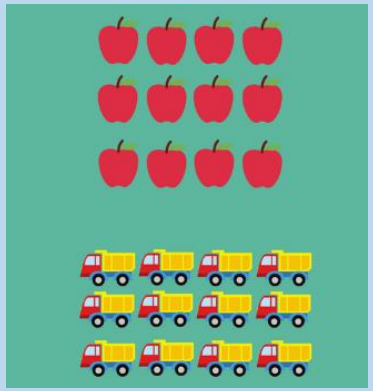
I can recognise arrays as equal groups.

I know that arrays have rows and columns.

I can explain how arrays can be read in two ways.

Star words

arrays



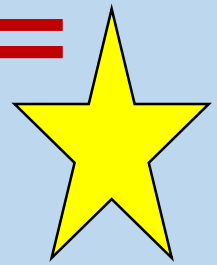
groups

add

+

total

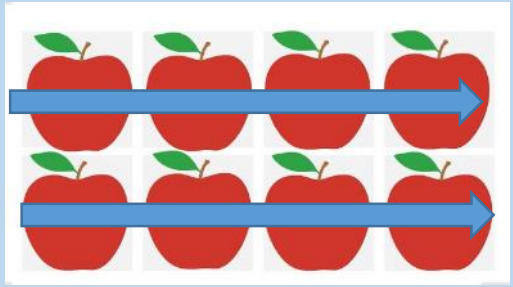
=



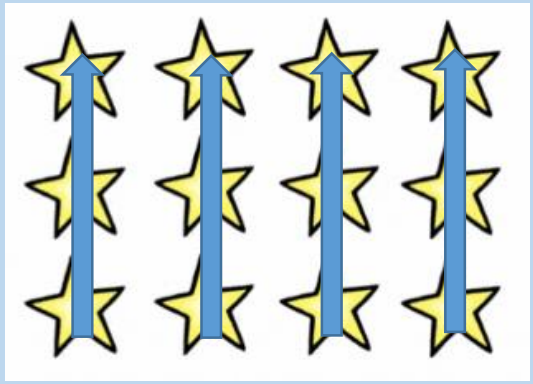
repeated addition

+

rows

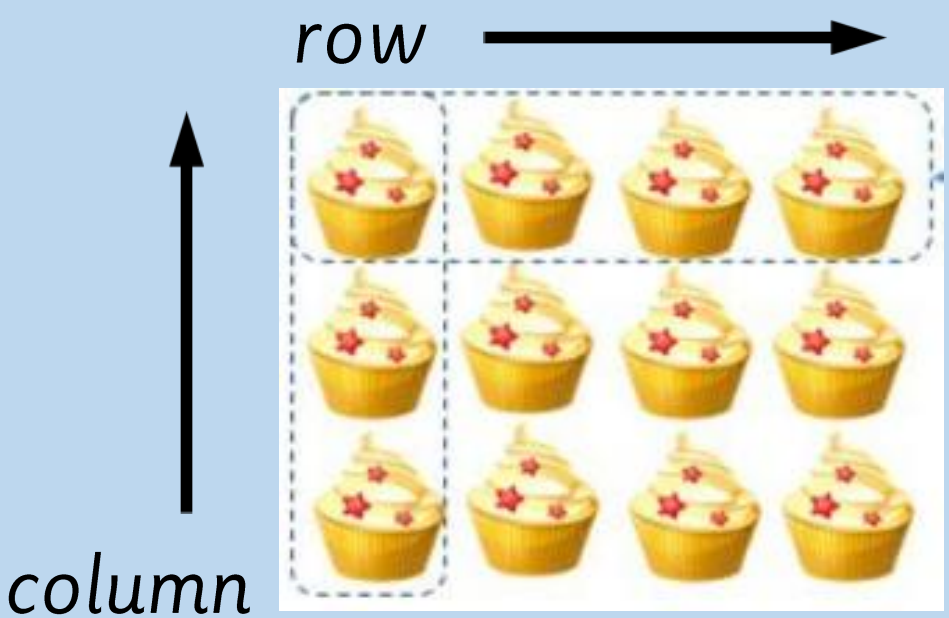


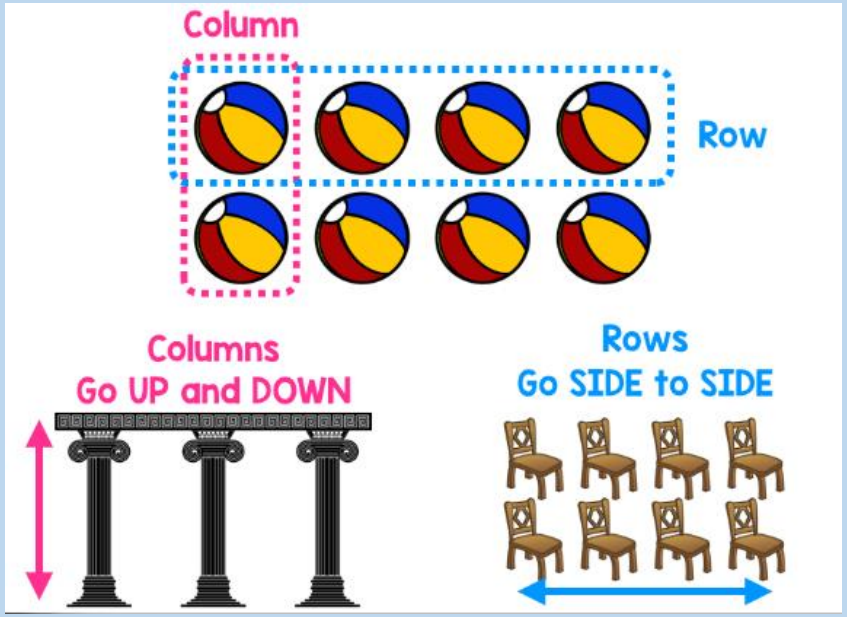
columns



Let's recap

TP's: What do you remember about arrays?





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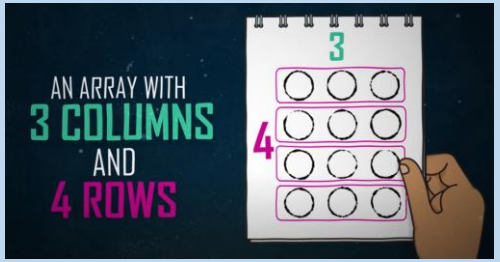


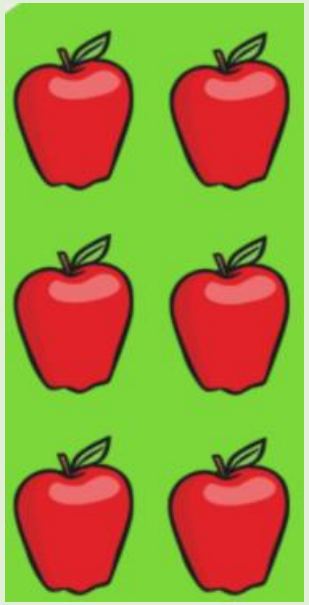
LQ: Can I make simple arrays?

13.03.24

How many rows?

How many apples in each row?

Write the number sentence to match.



How many columns?

How many apples in each column?

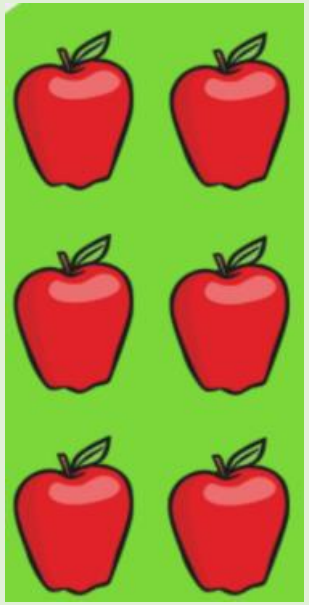
Write the number sentence to match.

LQ: Can I make simple arrays?

13.03.24

3 rows of 2 apples

2+2+2= 6



2 columns of 3 apples

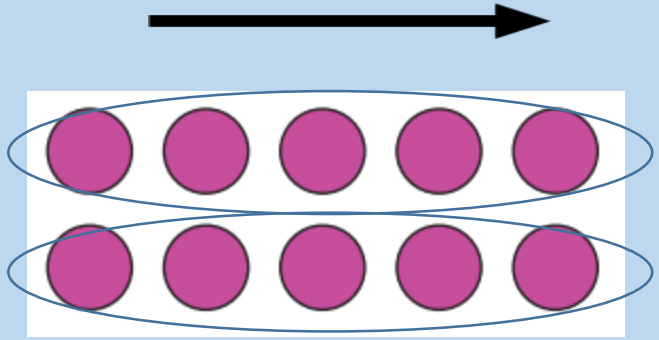
3+3=6

Do you notice any number patterns?

Self assessment

Do you understand how to read arrays?

TPs: How many rows?



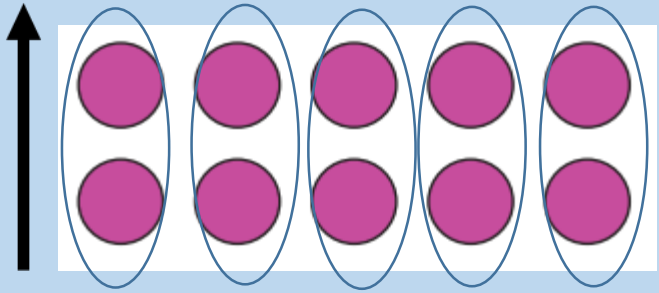
There are ___ rows.

There are ___ counters in each row.

2 rows of 5 counters

5+5= 10

TPs: How many columns?



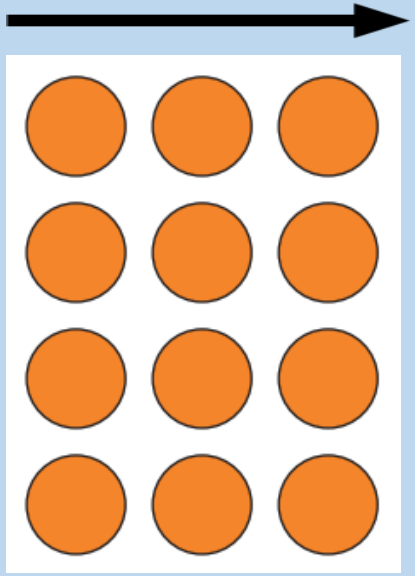
There are ___ columns.

There are ___ counters in each column.

5 columns of 2 counters

2+2+2+2+2= 10

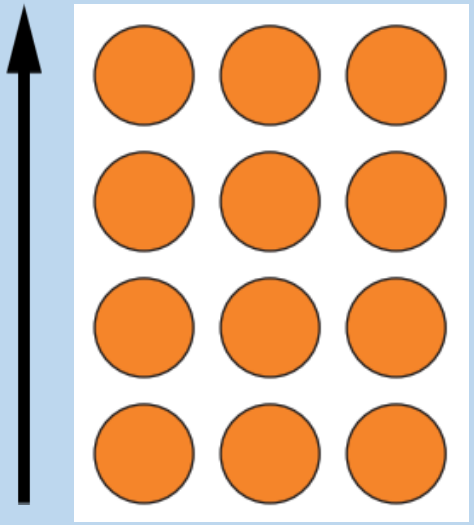
TPs: How many rows?



There are ___ rows.

There are ___ counters in each row.

TPs: How many columns?



There are ___ columns.

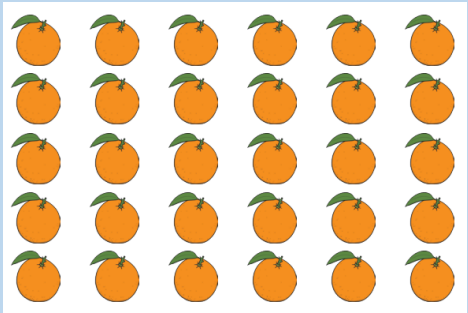
There are ___ counters in each column.

Adult to model - Children to have whiteboards to practice writing addition and repeated addition number sentences.

Your task

Make simple arrays for any of the following numbers with counters or cubes and explain how many counters there are in each row and each column. Explain to your friend how many you have altogether.

4 6 9 10 12 15 18 20 25 30



Challenge: Can you write the number sentences to match?

Self assessment

Do you understand the task?

Thursday 14th March 2024

L.Q. Can I make equal groups?

14.03.24

Can you share the gold bars equally?

Answer the questions.

There are _____ bars altogether.

There are _____ boxes.

Put _____ bars in each box.

Challenge: Use a whiteboard and pen to practise sharing equally using pictorial representation.

14.03.24

L.Q. Can I make simple arrays?

Steps to success

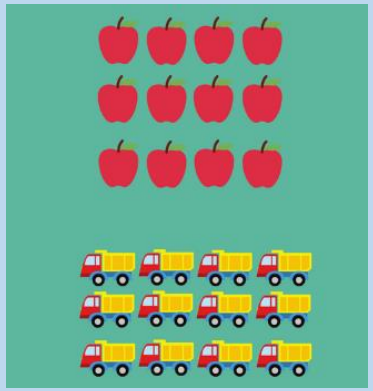
I can recognise arrays as equal groups.

I know that arrays have rows and columns.

I can explain how arrays can be read in two ways.

Star words

arrays



groups

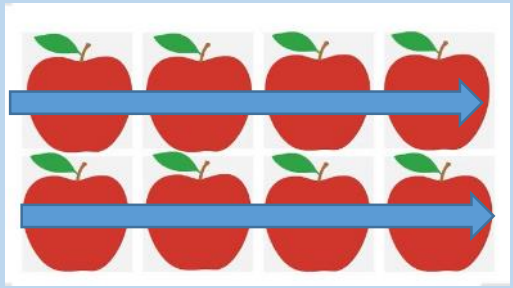
add

+

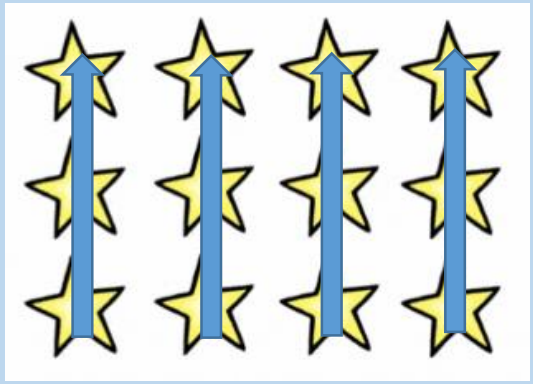
total

=

rows

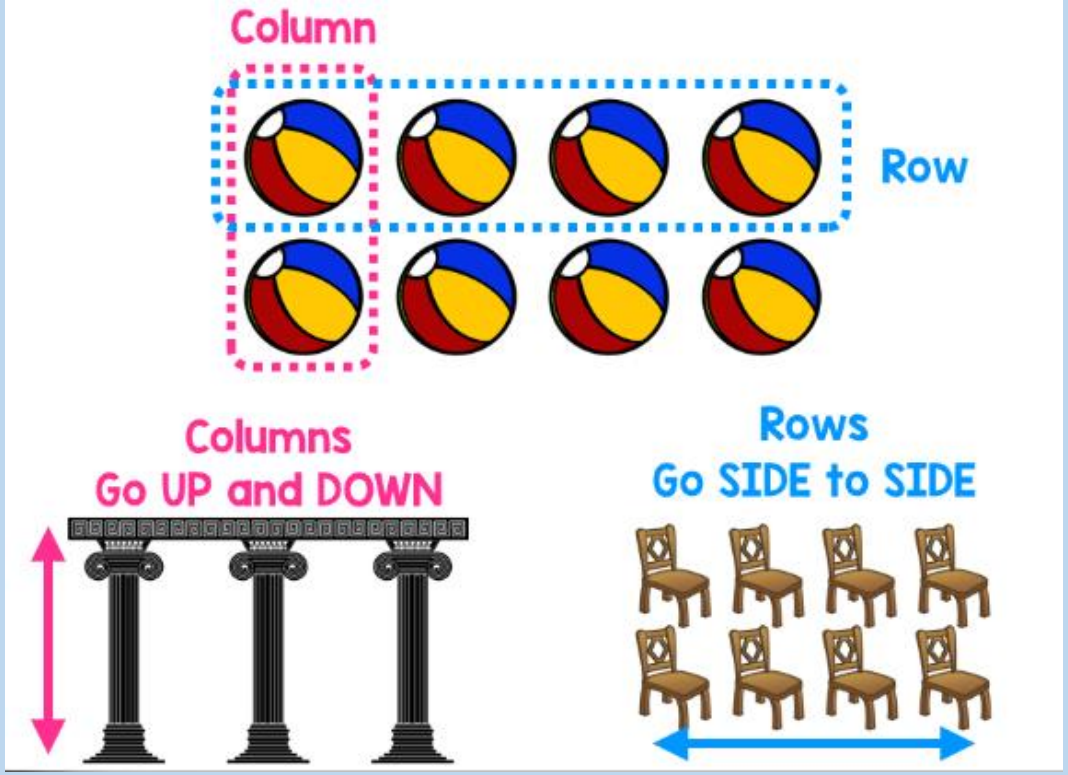


columns



Let's recap

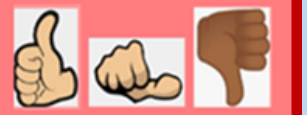
TP's: What do you remember about arrays?



Array means when pictures or objects are arranged in **rows** and **columns**. They can help us to count objects more efficiently.

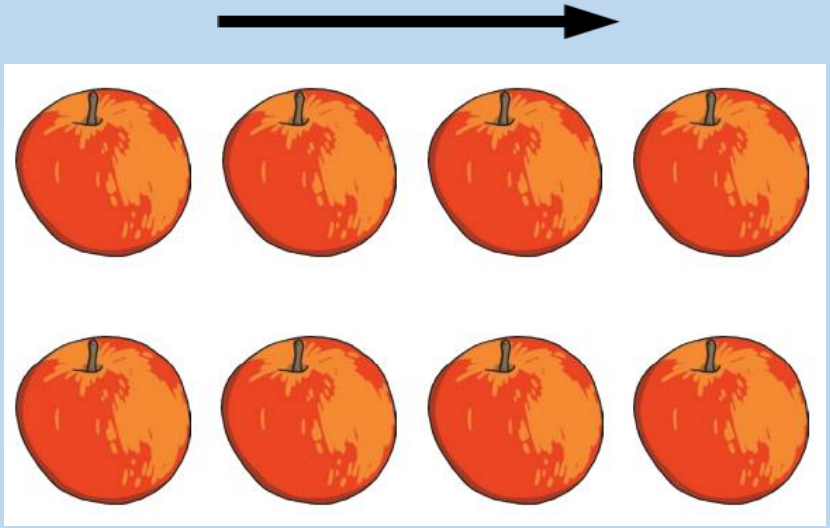
Self assessment

Do you understand what array means?



LQ: Can I make simple arrays?

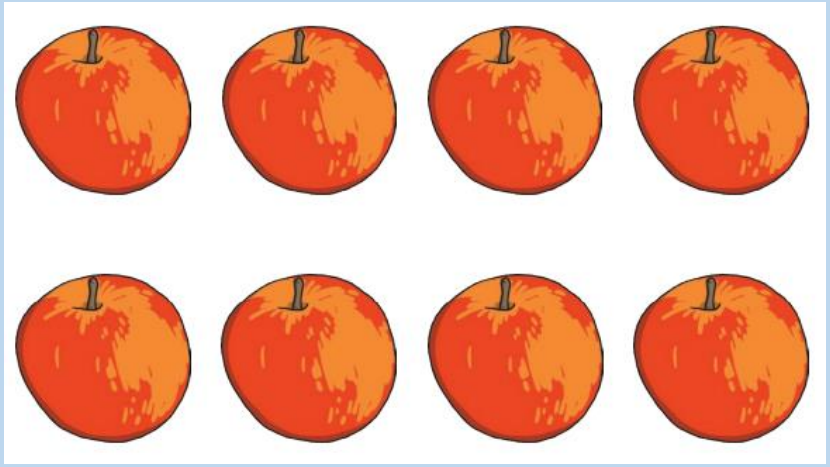
TPs: How many rows?
How many apples in each row?



There are ___ rows.
There are ___ apples in each row.

2 rows of 4 apples.
4+4=8

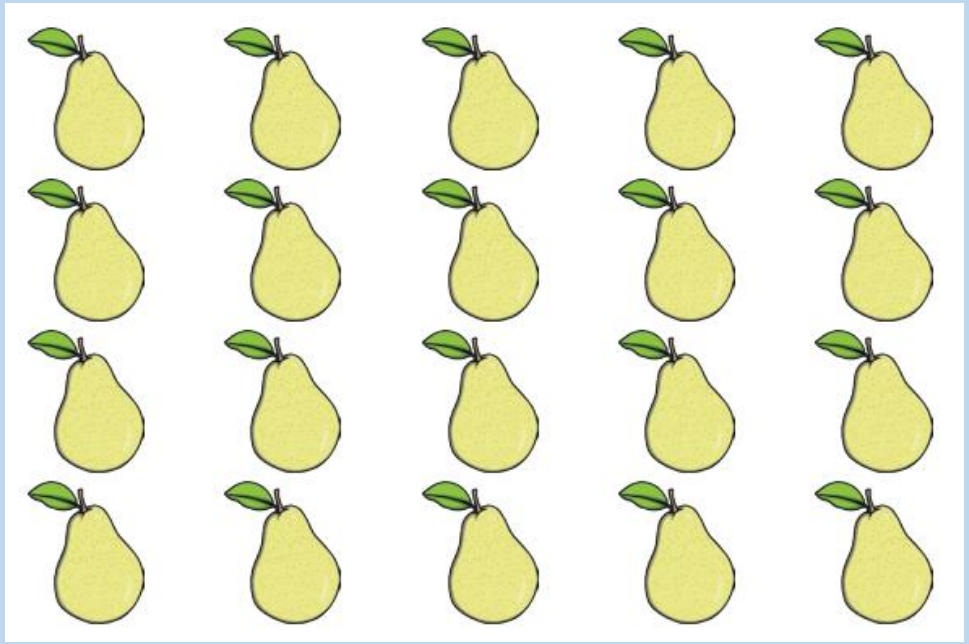
TPs: How many columns?
How many apples in each column?



There are ___ columns.
There are ___ apples in each column.

4 columns of 2 apples.
2+2+2+2= 8

Let's complete the statement and repeated addition.



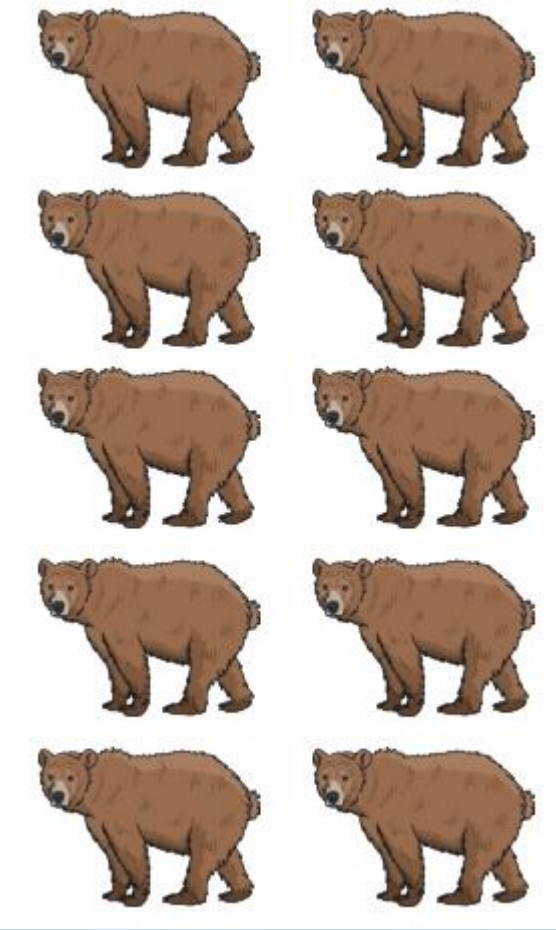
____ rows of ____ pears.

____+____+____+____=____

Adult to model - Children to have whiteboards to practice writing addition and repeated addition number sentences.

LQ: Can I make simple arrays?

Complete the statement and repeated additions.



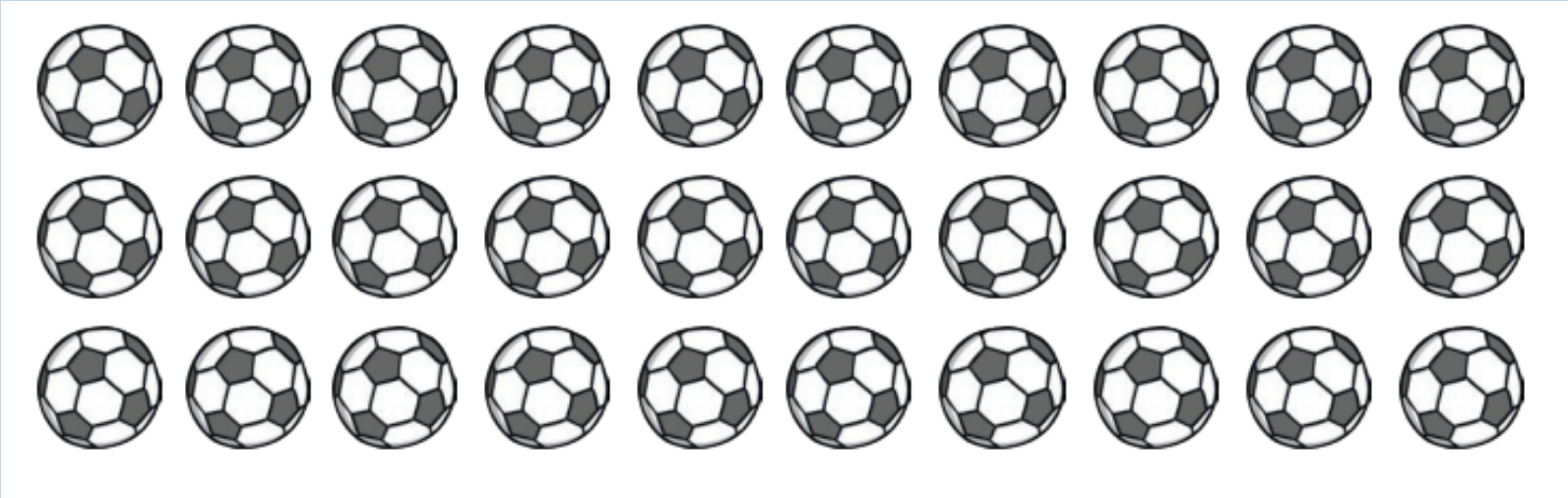
____ rows of ____ bears.

____+____+____+____+____=____

Adult to model - Children to have whiteboards to practice writing addition and repeated addition number sentences.

LQ: Can I make simple arrays?

Complete the statement and repeated additions.



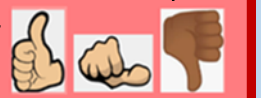
____ rows of ____ balls.

____+____+____=____

Adult to model - Children to have whiteboards to practice writing addition and repeated addition number sentences.

Self assessment

Do you understand how to explain th
complete the repeated addition?



LQ: Can I make simple arrays?

14.03.24

Your task

1.	2.	3.
Complete the statements and repeated addition. Can you write a repeated addition number sentence?	Miss Brook says there are 2 columns. Is she correct? Explain how you know. Stem Sentence: Yes, she is correct because… No, she is incorrect because…	Circle each row of donuts. Write a repeated addition number sentence to match the rows. _____+_____+_____=

1.

_____ rows of _____ seeds.

_____ column of _____ seeds.

There are _____ seeds altogether.

Today I used counters to make simple arrays for the numbers '4, 6, 8, 10' and '12' and counted the rows and columns, describing how many counters were in each row and how many counters were in each column.

Self assessment

Do you understand the tasks?

Friday 15th March 2024

Consolidation

Today we consolidated our learning on multiplication.

- Making equal groups of 2s, 5s and 10s
- Making doubles
- Arrays

Use slides from this week or previous week to revisit teaching.