



**THIRD SPACE**  
LEARNING

# Ready-to-go Lesson Slides

## Year 2

Statistics Lesson 1

Spr1

**At Third Space Learning we provide personalised online lessons from specialist maths tutors to support the target groups in your school.**

These ready-to-go slides are designed to work alongside our interventions to supplement quality first teaching and raise attainment in maths for all pupils.

To find out more about how you could use our 1-to-1 interventions year-round to boost maths progress in your school then get in touch:

020 3771 0095

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**Boosting maths progress through 1-to-1 conversations...**



# To make tally charts

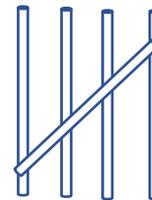
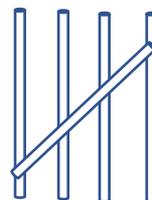
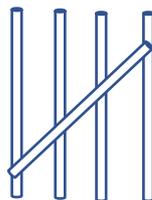
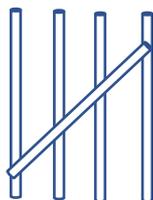
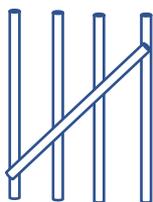
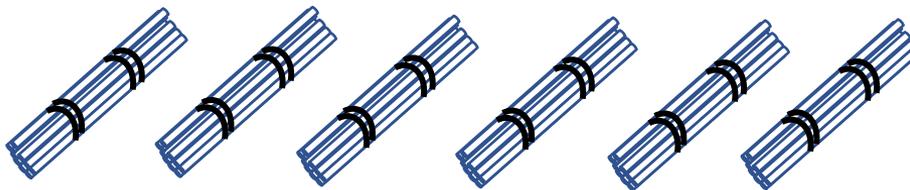
- I can understand and complete a tally chart
- I know the meaning of 'total', 'altogether', 'more', 'less' and 'difference'
- I can say when we might use tallies

## Starter:

Alice and Bishan are counting paper straws.

Bishan has made bundles of tens. How many straws does Bishan have? 

Alice has arranged her straws like this. How many straws does Alice have? How do you know? 



# To make tally charts

- I can understand and complete a tally chart
- I know the meaning of 'total', 'altogether', 'more', 'less' and 'difference'
- I can say when we might use tallies

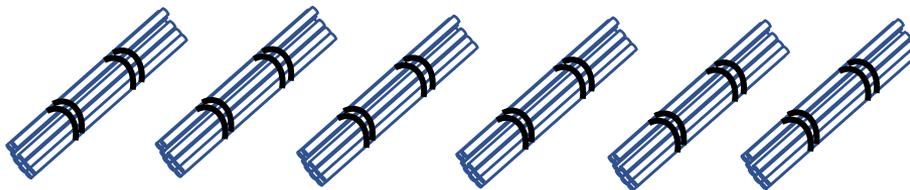
## Starter:

Alice and Bishan are counting paper straws.

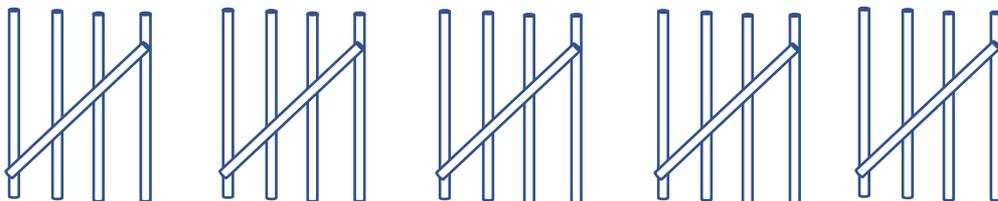
Bishan has made bundles of tens. How many straws does Bishan have? 

Alice has arranged her straws like this. How many straws does Alice have? How do you know? 

Bishan has **60** straws.  
He has 6 lots of 10.



Alice has **25** straws.  
She has arranged them  
in groups of 5  
to make counting easier.



# To make tally charts

## Talking time:

Year 2 children were asked to choose their favourite drink from a list. The children showed the results as a tally chart. Can you complete the tally chart? How do you know that you are right?

Favourite drink	Tally	Total
water		9
orange squash		
milk		
apple juice		
tomato juice		

# To make tally charts

## Talking time:

Year 2 children were asked to choose their favourite drink from a list. The children showed the results as a tally chart. Can you complete the tally chart? How do you know that you are right?

Favourite drink	Tally	Total
water		9
orange squash		10
milk		4
apple juice		5
tomato juice		2

This is 10 because there are 2 lots of 5.

This is 5 because there is 1 lot of 5.

# To make tally charts

## Talking time:

Year 2 children were asked to choose their favourite sandwich filling from a list. The children showed the results as a tally chart. Can you complete the tally chart? How do you know that you are right?

Filling	Tally	Total
cheese	IIII	4
jam		3
chocolate spread		12
peanut butter		8
vegan patty		2

# To make tally charts

## Talking time:

Year 2 children were asked to choose their favourite sandwich filling from a list. The children showed the results as a tally chart. Can you complete the tally chart? How do you know that you are right?

Filling	Tally	Total
cheese	IIII	4
jam	III	3
chocolate spread	IIII II	12
peanut butter	IIII III	8
vegan patty	II	2

| represents one vote.

IIII represents five votes.

# To make tally charts

## Talking time:

Year 2 children were asked to choose their favourite animated film from a list. The children showed the results as a tally chart. Can you finish the rest of the tally chart? Can you explain your thinking?

Favourite film	Tally	Total
The Secrets of Pets 2		
The Lion Prince		15
Toy Tale 4		8
Annoyed Birds 2		
The Plastic Bricks Movie 2		3

# To make tally charts

## Talking time:

Year 2 children were asked to choose their favourite animated film from a list. The children showed the results as a tally chart. Can you finish the rest of the tally chart? Can you explain your thinking?

Favourite film	Tally	Total
The Secrets of Pets 2		3
The Lion Prince		15
Toy Tale 4		8
Annoyed Birds 2		1
The Plastic Bricks Movie 2		3

# To make tally charts

## Activity 1:

Here is a tally chart showing the number of birds visiting a bird table in a garden. Can you complete the tally chart? What information is this tally chart telling you?

Bird	Tally	Total
 robins		3
 magpies		
 blackbirds		16
 greenfinches		
 thrushes		
 sparrows		20

# To make tally charts

## Activity 1:

Here is a tally chart showing the number of birds visiting a bird table in a garden. Can you complete the tally chart? What information is this tally chart telling you?

Bird	Tally	Total
 robins		3
 magpies		15
 blackbirds		16
 greenfinches		2
 thrushes		1
 sparrows		20

The tally chart is telling us that more sparrows visited the bird table than any other bird. Only one thrush visited the bird table.

### Extension:

Can you talk about any other facts from the tally chart? How many birds visited the bird table altogether? How do you know?

# To make tally charts

## Talking time:

Year 2 children have made some Maths games for the school's Summer Fair. Violet is in charge of the beanbag in the hoop throw. The table shows the results. Can you turn the table of results into a tally chart?

Score	Number of people
0	2
1	6
2	12
3	22
4	19
5	16



# To make tally charts

## Talking time:

Year 2 children have made some Maths games for the school's Summer Fair. Violet is in charge of the beanbag in the hoop throw. The table shows the results. Can you turn the table of results into a tally chart?

Score	Tally	Total
0		2
1	I	6
2		12
3		22
4		19
5	I	16



Score	Number of people
0	2
1	6
2	12
3	22
4	19
5	16

# To make tally charts

## Talking time:

At the Summer Fair, Alena is in charge of the skittles roll. Every skittle knocked over is worth 2 points. The table shows the results. Can you turn the table of results into a tally chart?

Score	Number of people
0	1
2	4
4	15
6	25
8	23
10	17



# To make tally charts

## Talking time:

At the Summer Fair, Alena is in charge of the skittles roll. Every skittle knocked over is worth 2 points. The table shows the results. Can you turn the table of results into a tally chart?

Score	Tally	Total
0		1
2		4
4		15
6		25
8		23
10		17



Score	Number of people
0	1
2	4
4	15
6	25
8	23
10	17

# To make tally charts

## Talking time:

At the Summer Fair, Noah is in charge of the ping pong ball slide. Here is the tally chart of the results, but there are some mistakes. Can you be the teacher, spot the mistakes and put them right?

Score	Tally	Total
0		2
10		11
20		16
30		62
40		29
50		17



# To make tally charts

## Talking time:

At the Summer Fair, Noah is in charge of the ping pong ball slide. Here is the tally chart of the results, but there are some mistakes. Can you be the teacher, spot the mistakes and put them right?



You could change the tally marks or the totals here.

Score	Tally	Total
0		2
10		11
20		16
30		62
40		29
50		17

Change to 16 tally marks or total of 20

Change to 62 tally marks or total of 26

Change to 29 tally marks or total of 19

Change to 17 tally marks or total of 12

# To make tally charts

## Activity 2:

There are two Year 2 classes in a school. They are asked to choose their favourite milkshake flavour from a list. Here are the results as tally charts. What is the same? What is different?

Willow class		
Flavour	Tally	Total
banana	I	6
chocolate	I	11
strawberry		10
vanilla		2
none of them		1

Oak class		
Flavour	Tally	Total
banana		5
chocolate		13
strawberry		9
vanilla		3
none of them		0

# To make tally charts

## Activity 2:

There are two Year 2 classes in a school. They are asked to choose their favourite milkshake flavour from a list. Here are the results as tally charts. What is the same? What is different?

Willow class		
Flavour	Tally	Total
banana	I	6
chocolate	I	11
strawberry		10
vanilla		2
none of them		1

Oak class		
Flavour	Tally	Total
banana		5
chocolate		13
strawberry		9
vanilla		3
none of them		0

### The same

- Both classes have 30 children
- Chocolate is the most popular
- The order of the most popular is the same with chocolate, followed by strawberry, banana, vanilla and then 'none of them'

### Different

- More children like vanilla in Oak class
- More children like strawberry in Willow class
- Every choice in the chart received a vote in Willow class.

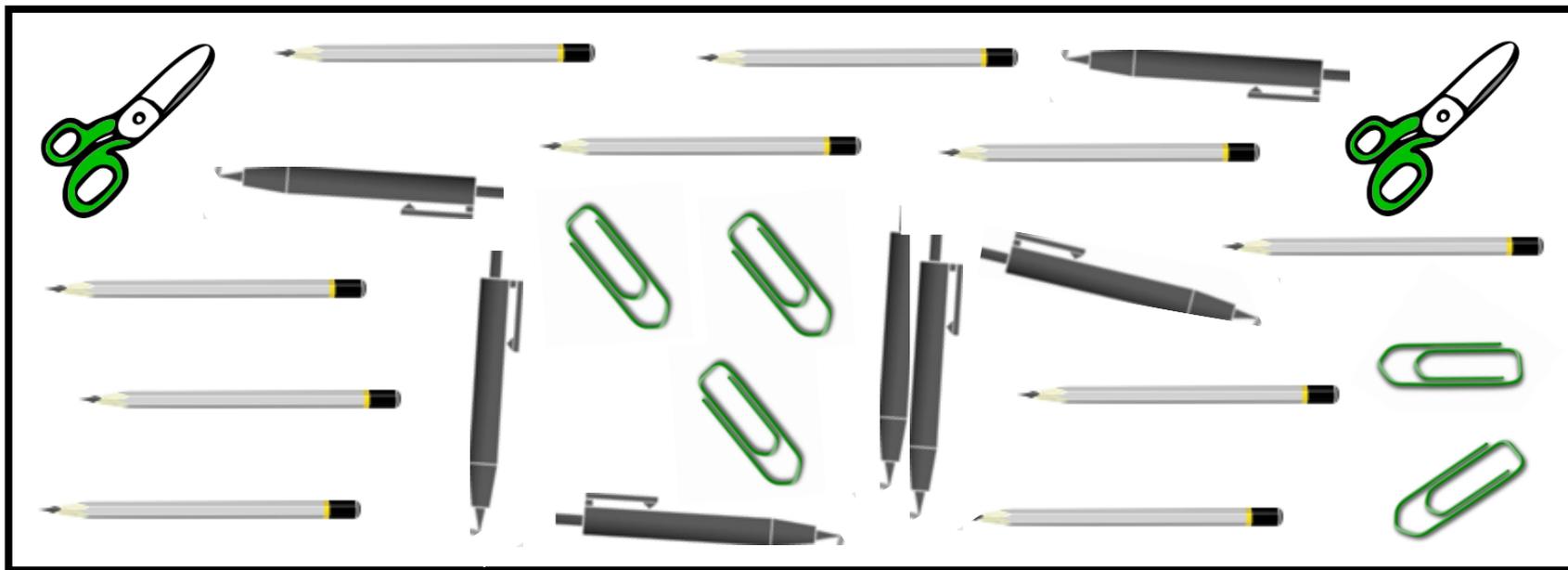
### Extension:

Can you think of your own same and different that nobody else will think of?

# To make tally charts

## Talking time:

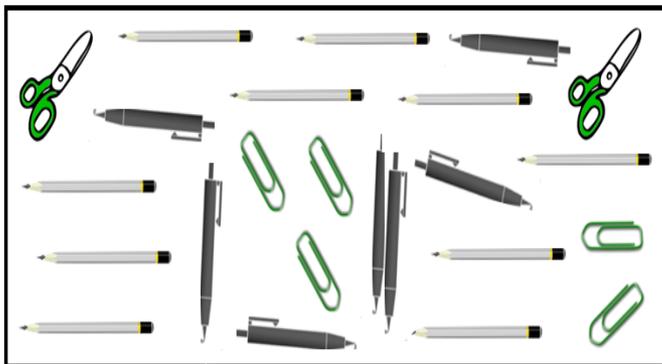
Here are the contents of Mrs. Cooper's desk drawer. Can you create a tally chart to match the items in the drawer? Use the labels 'pencils, scissors, pens and paper clips'.



# To make tally charts

## Talking time:

Here are the contents of Mrs. Cooper's desk drawer. Can you create a tally chart to match the items in the drawer? Use the labels 'pencils, scissors, pens and paper clips'.



Items	Tally	Total
pencils		10
scissors		2
pens		7
paper clips		5

# To make tally charts

## Talking time:

Now, it is your turn. 

Can you make a tally chart about the favourite film or book in your class? What about numbers of pets children have?

Or you may have a better idea about something you want to make a tally chart of.

Can you think of some questions for a partner to answer?

# To make tally charts

## Talking time:

Now, it is your turn. 

Can you make a tally chart about the favourite film or book in your class? What about numbers of pets children have?

Or you may have a better idea about something you want to make a tally chart of.

Can you think of some questions for a partner to answer?

There are no answers to this because this is all about YOUR tally chart.

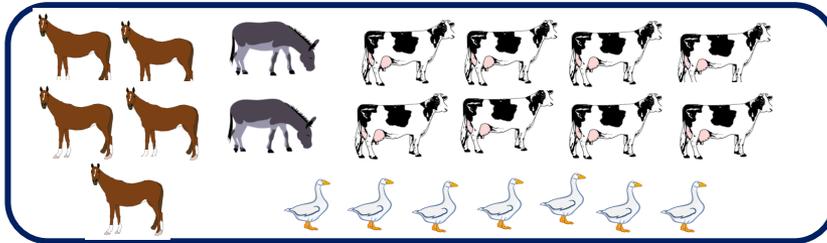
So, you have your own answers to your own questions.

# To make tally charts

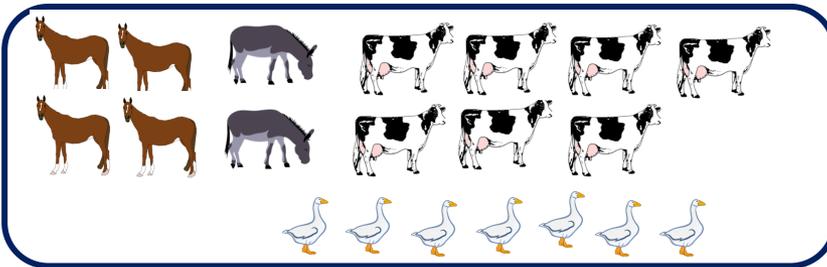
## Activity 3:

Ava went on a school trip to a farm. She made a tally chart of the animals that she saw there. Which of the three pictures shows **all** the animals from Ava's tally chart? Why?

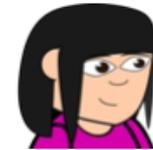
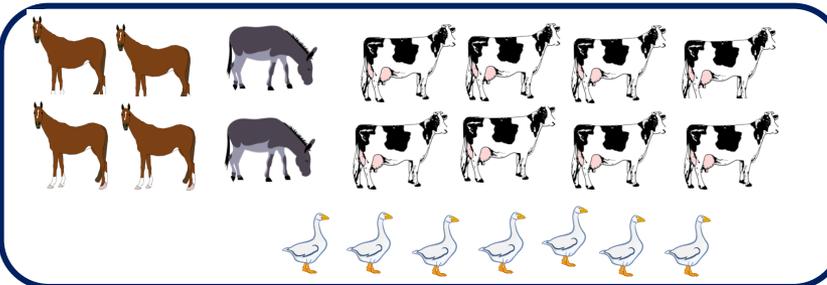
Picture 1



Picture 2



Picture 3



Ava's tally chart

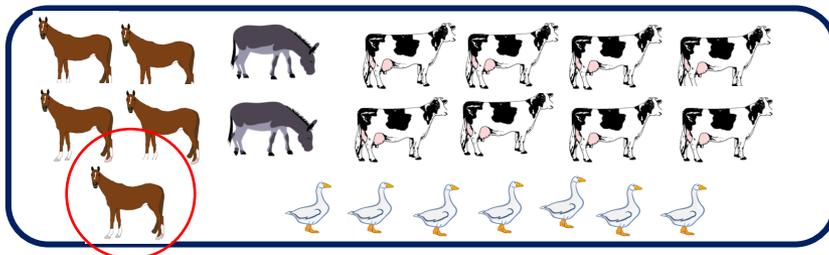
Animal	Tally
	
	
	
	

# To make tally charts

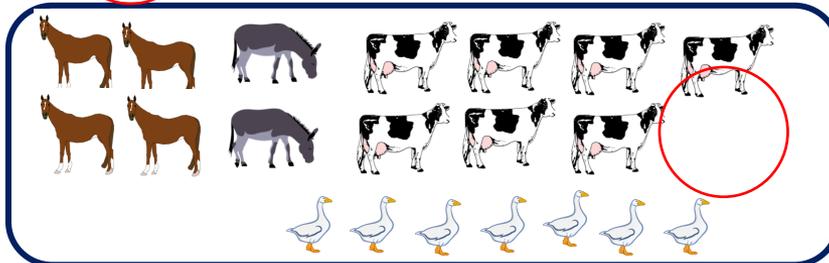
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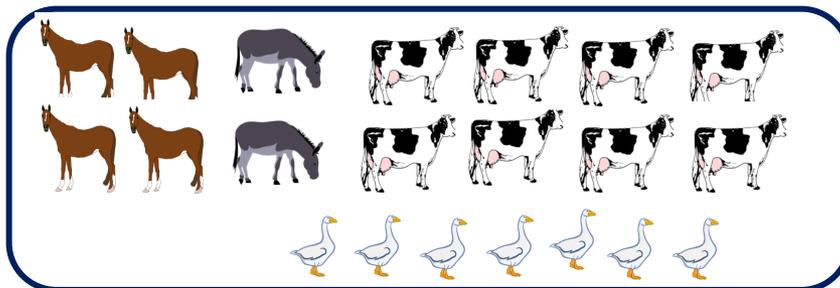
Picture  
1



Picture  
2



Picture  
3



Ava's tally chart

Animal	Tally
	
	
	
	

# To make tally charts

- I can understand and complete a tally chart
- I know the meaning of 'total', 'altogether', 'more', 'less' and 'difference'
- I can say when we might use tallies

## Evaluation:

Riley and Ollie are using tally charts.  
They see this in the chart. Who do you agree with? Why?



Riley



Ollie

This means  
that there are  
25 things.



This means  
that there  
are 5 lots of  
5 things.



# To make tally charts

- I can understand and complete a tally chart
- I know the meaning of 'total', 'altogether', 'more', 'less' and 'difference'
- I can say when we might use tallies

## Evaluation:

Riley and Ollie are using tally charts.

They see this in the chart. Who do you agree with? Why?



Both boys are right. Every mark stands for one thing.

So, Riley is right as there are 25 marks or 25 things.

Ollie is also right as 5 lots of 5 things = 25.

This means that there are 5 lots of 5 things.

This means that there are 25 things.



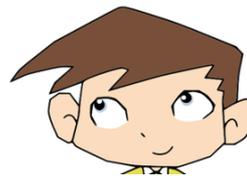
# To make tally charts

## EVALUATION:



Riley

Riley and Ollie are using tally charts.



Ollie

They see this in the chart.

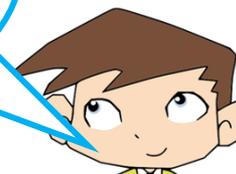


Who do you agree with?  
Why?

This means  
that there are  
25 things.



This means  
that there  
are 5 lots of  
5 things.



Both boys are right. Every mark stands for one thing.  
So, Riley is right as there are 25 marks or 25 things.  
Ollie is also right as  $5 \text{ lots of } 5 \text{ things} = 25$ .

## Do you have a group of pupils who need a boost in maths this term?

Each pupil could receive a personalised lesson every week from our specialist 1-to-1 maths tutors.

- Raise attainment
- Plug any gaps or misconceptions
- Boost confidence

### **Speak to us:**

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