




Statistics

The area of mathematics that deals with charts, tables and graphs to collect and understand information.

Types of Clothes	How many Jonah has?
Shirts	
Pants	
Sweater	

Name	Fruits they ate this week
Nicholas	
Laila	
George	




Tally Chart

A chart that uses lines in place of numbers, to show information. You can collect data easily and efficiently using a tally chart.

Type of Clothes	Quantity Owned
Shirts	
Trousers	
Jumper	

Total

The final amount after you have added the information you wanted.

Hair Colour		Total
Brown		8
Blonde		7
Ginger		5



Altogether

The total of your data.

Hair Colour		Total
Brown		8
Blonde		7
Ginger		5

Altogether, there were 20 votes.

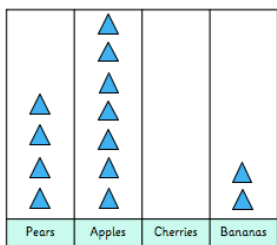
$$8 + 7 + 5 = 20$$

More

Having a greater amount than something else.



There are **more** apples than bananas.



There are **more** pears than bananas.

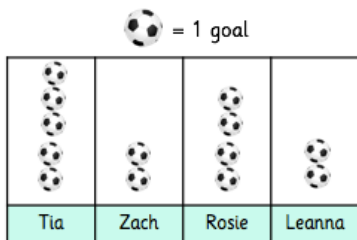


Less

Having a smaller amount than something else.



Leanna scored **less** goals than Rosie.



Rosie scored **less** goals than Tia.



Difference

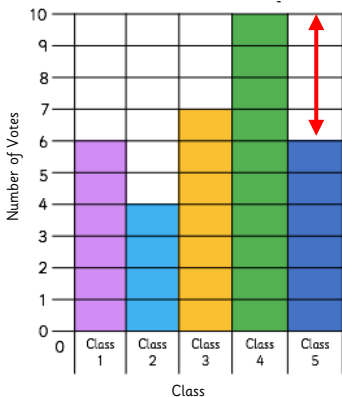
The result of subtracting one number from another.

Class 4 had 10 votes. Class 5 had 6 votes.

$$10 - 6 = 4$$

The **difference** in votes is 4.

Votes for a School Disco



Pictogram

A chart that uses pictures or symbols, instead of numbers, to show information.

Name	Fruits they ate this week	Key
Nicholas		= 2 fruits
Laila		
George		

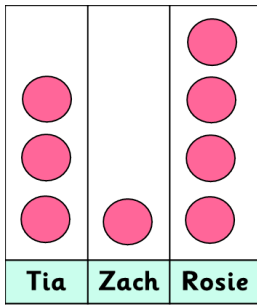
Horizontal Pictogram

Hair Colour		Total
Brown		8
Blonde		7
Ginger		5



The pictures and results can be seen going from left to right. This is **horizontal**.


Vertical Pictogram



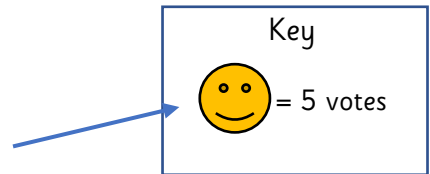
The pictures and results can be seen going up and down.
This is **vertical**.

Symbol

A letter, picture or sign that is used to show a special meaning.
Symbols are used in pictograms.

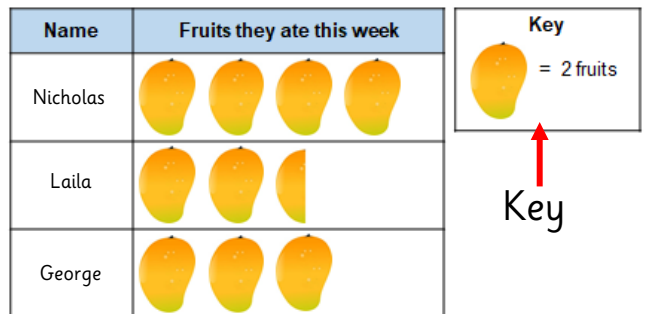
 is a symbol that means "equal to"

Symbol



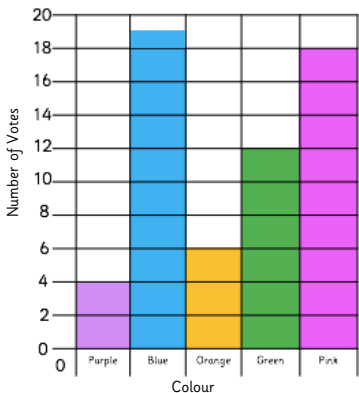
Key (Pictogram)

The part of a pictogram that tells us the value of each symbol used in it.



Block Diagram

Favourite Colours in 2M



A chart that uses blocks that will equal different heights to show values of the information collected.

Result

The final outcome of a task.
You can collect data and see what the results are.

Sweet	Tally	Number
Fudge		12
Caramel		18
Toffee		15
Popping Candy		9
Marshmallow		13

Results

Questions

We ask and answer questions about the data we have collected.

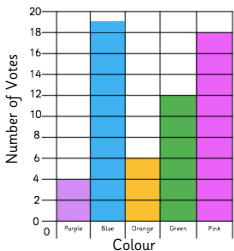
How many more...?

Which was the most popular?

How many altogether...?

Which was the least popular?


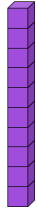
Favourite Colours in 2M




Sweet	Tally	Number
Fudge		12
Caramel		18
Toffee		15
Popping Candy		9
Marshmallow		13


Value


A number or object that tells how much something is worth.

Key

 = 5 votes


Value 




Interpret

To understand the meaning of any given information.

Andy is 5 years old.



Sophie is 7 years old.





This must mean that Andy is younger than Sophie!

Data

Information related to a thing, such as a person or a place. We should be careful about who we give our personal information to.

Zach



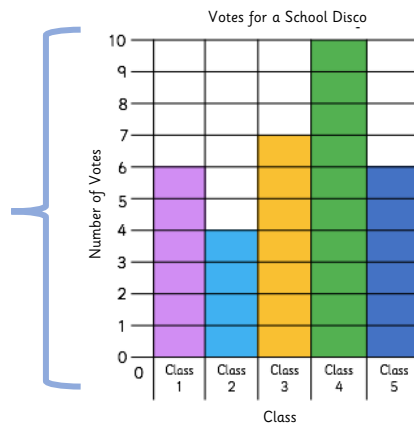
Zach's Data

- Age
- Telephone number
- Favourite food
- Favourite colour

Scale

The set of values or numbers that are marked on the side of a bar chart.

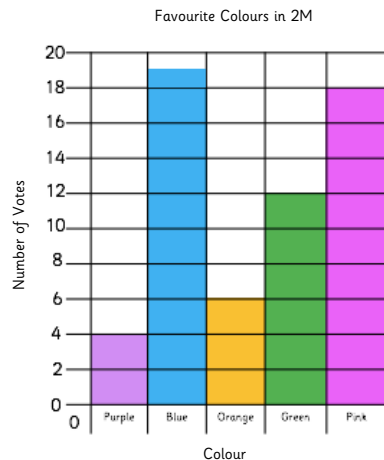
Scale



Interval

In a bar chart, the number of values that are skipped when moving from one line on the scale to the next.

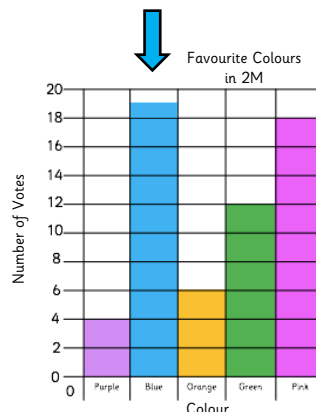
Interval = 2



Most Popular

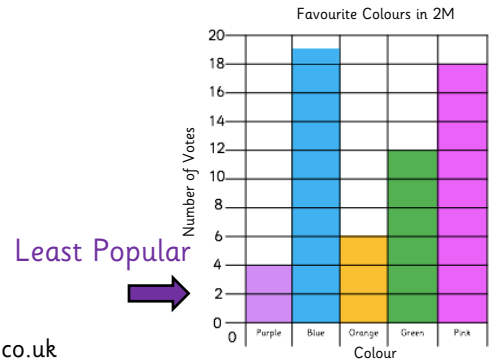
Something that is liked or voted for, more than all other things. A favourite thing. You can see what is the **most popular** from your data collected.

Most Popular



Least Popular

Something that is not liked as much or has the lowest number of votes. You can see from your data what is the **least popular**.



Table

A chart that shows numbers and information, arranged in rows and columns.

Days of the Week	Hours Jane Studied
Monday	3
Tuesday	2
Wednesday	4

Statistics Vocabulary

Statistics Year 2

The area of mathematics that deals with charts, tables and graphs to collect and understand information.

Type of Clothes	How many does Zach own?	Name	Fruits they ate this week
Shirts		Nicholas	🍌🍌🍌🍌
Trousers		Lola	🍌🍌🍌
Jumper		George	🍌🍌🍌

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Altogether Year 2

The total of your data.

Altogether, there were 20 votes.

$$8 + 7 + 5 = 20$$

Class	Votes
Class 4	8
Class 5	7
Class 6	5

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Difference Year 2

The result of subtracting one number from another.

Class 4 had 10 votes. Class 5 had 6 votes.

$$10 - 6 = 4$$

The difference in votes is 4.

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Tally Chart Year 2

A chart that uses lines in place of numbers, to show information. You can collect data easily and efficiently using a tally chart.

Type of Clothes	Quantity Owned
Shirts	
Trousers	
Jumper	

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More Year 2

Having a greater amount than something else.

There are more apples than bananas.

There are more pears than bananas.

Fruit	Count
Apples	8
Bananas	5
Pears	7

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Pictogram Year 2

A chart that uses pictures or symbols, instead of numbers, to show information.

Name	Fruits they ate this week	Key
Nicholas	🍌🍌🍌🍌	🍌 = 2 fruits
Lola	🍌🍌🍌	
George	🍌🍌🍌	

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Total Year 2

The final amount after you have added the information you wanted.

Class	Votes
Class 4	8
Class 5	7
Class 6	5

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Less Year 2

Having a smaller amount than something else.

Leanna scored less goals than Rosie.

Rosie scored less goals than Tia.

Player	Goals
Tia	8
Rosie	7
Leanna	5

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Horizontal Pictogram Year 2

The pictures and results can be seen going from left to right. This is horizontal.

Class	Votes
Class 4	8
Class 5	7
Class 6	5

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Vertical Pictogram Year 2

The pictures and results can be seen going up and down. This is vertical.

Name	Votes
Tia	8
Zach	7
Rosie	5

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Block Diagram Year 2

A chart that uses blocks that will equal different heights to show values of the information collected.

Class	Votes
Class 4	8
Class 5	7
Class 6	5

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Value Year 2

A number or object that tells how much something is worth.

10 = 5 votes

5 = 5 votes

5 = 5 votes

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Symbol Year 2

A letter, picture or sign that is used to show a special meaning. Symbols are used in pictograms.

🍌 is a symbol that means "equal to"

🍌 = 5 votes

Symbol

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Result Year 2

The final outcome of a task. You can collect data and see what the results are.

Sweet	Tally	Number
Fudge		12
Chocolate		18
Toffees		15
Peppermint Candy		6
Mint Chocolate		13

Results

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Interpret Year 2

To understand the meaning of any given information.

Andy is 5 years old. Sophie is 7 years old.

This must mean that Andy is younger than Sophie!

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Key (Pictogram) Year 2

The part of a pictogram that tells us the value of each symbol used in it.

Name	Fruits they ate this week	Key
Nicholas	🍌🍌🍌🍌	🍌 = 2 fruits
Lola	🍌🍌🍌	
George	🍌🍌🍌	

Key

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Questions Year 2

We ask and answer questions about the data we have collected.

How many more...? Which was the most popular? How many altogether...? Which was the least popular?

Sweet	Tally	Number
Fudge		12
Chocolate		18
Toffees		15
Peppermint Candy		6
Mint Chocolate		13

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Data Year 2

Information related to a thing, such as a person or a place. We should be careful about who we give our personal information to.

Zach

Zach's Data

- Age
- Telephone number
- Favourite food
- Favourite colour

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Scale Year 2

The set of values or numbers that are marked on the side of a bar chart.

Scale

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Least Popular Year 2

Something that is not liked as much or has the lowest number of votes. You can see from your data what is the least popular.

Least Popular

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Interval Year 2

In a bar chart, the number of values that are skipped when moving from one line on the scale to the next.

Interval = 2

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Table Year 2

A chart that shows numbers and information, arranged in rows and columns.

Days of the Week	Hours Jane Studied
Monday	3
Tuesday	2
Wednesday	4

Columns

Rows

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Most Popular Year 2

Something that is liked or voted for, more than all other things. A favourite thing. You can see what is the most popular from your data collected.

Most Popular

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Year 2 - Statistics Vocabulary Assessment

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Statistics		Tally Chart		Total	
Altogether		More		Less	
Difference		Pictogram		Horizontal Pictogram	
Vertical Pictogram		Symbol		Key (Pictogram)	
Block Diagram		Results		Questions	
Value		Interpret		Data	
Scale		Interval		Most Popular	
Least Popular		Table			

Year 2 - Statistics Vocabulary Assessment

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Statistics		Tally Chart		Total	
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Block Diagram		Results		Questions	
Value		Interpret		Data	
Scale		Interval		Most Popular	
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Year 2 - Statistics Vocabulary Assessment

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Statistics		Tally Chart		Total	
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