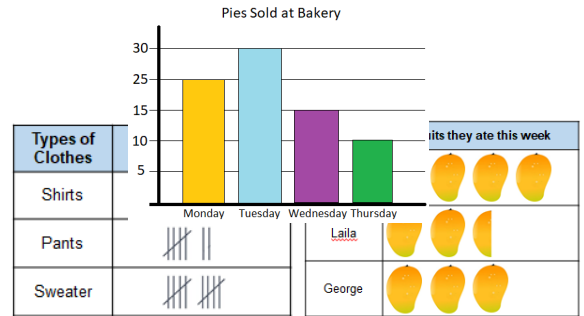


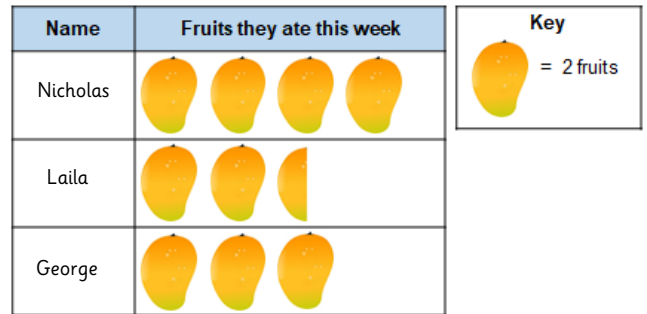
# Statistics

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



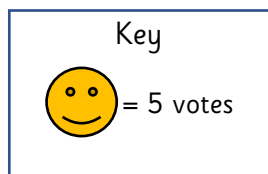
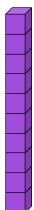
# Pictogram

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



# Value

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




Value




# 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

 = 5 votes

# 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

# Key (Pictogram)

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

Name	Fruits they ate this week
Nicholas	
Laila	
George	

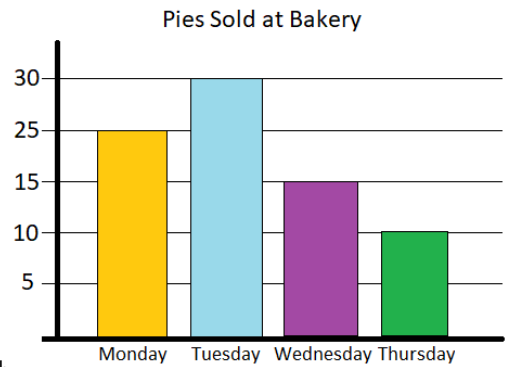
Key

 = 2 fruits

Key

# Bar Chart

A chart that uses bars of different heights to show values of different things.



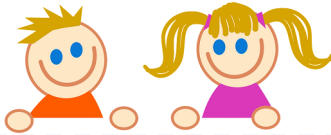
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# Interpret

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!

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# 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



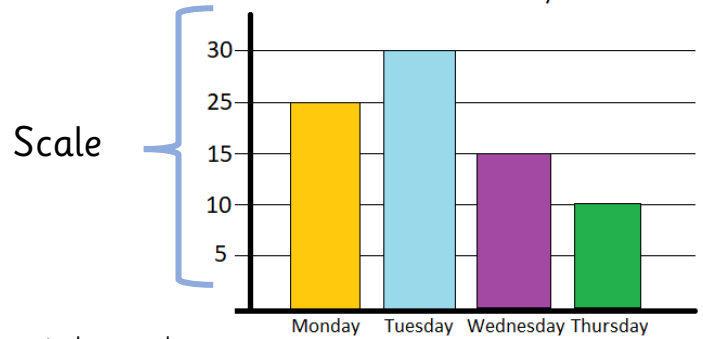
Zach's Data

- Age
- Telephone number
- Favourite food
- Favourite colour

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# Scale

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

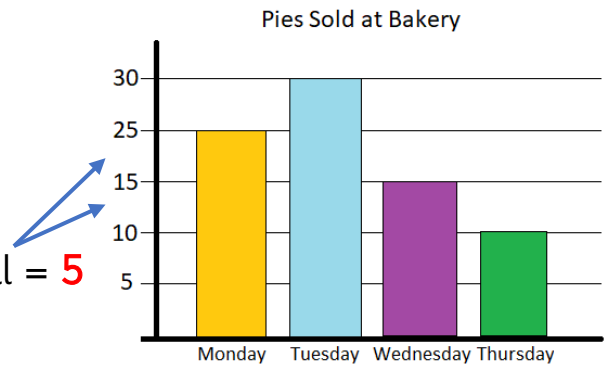


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# Interval

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

Interval = 5

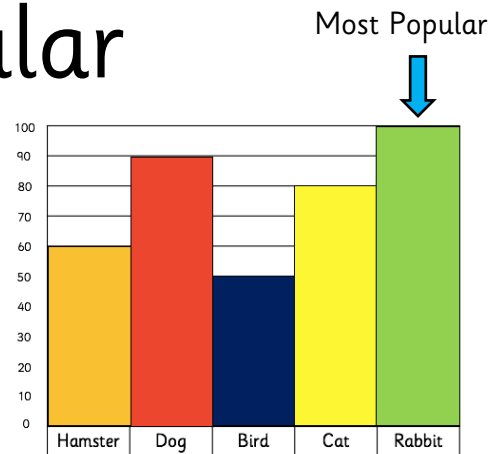


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# Most Popular

Something that is liked or voted for, more than all other things.  
A favourite thing.

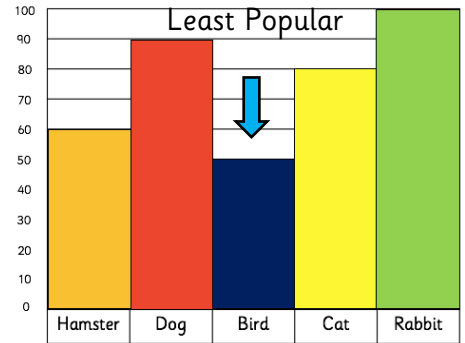
You can see what is the most popular from your data collected.



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# 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.



# 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	

# Table

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

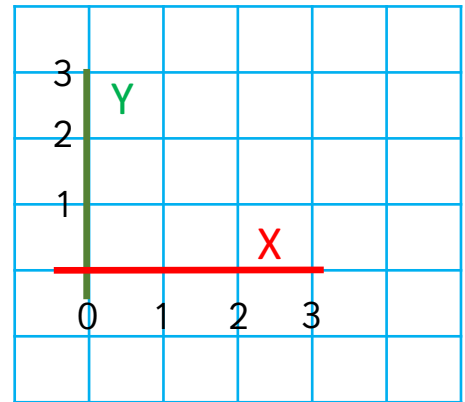
Columns

Rows

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

# Axis

A line drawn on a graph.  
Here you can see a Y axis  
and an X axis.



# Information

Another word for data.  
It tells/ informs you  
about something.

Zach



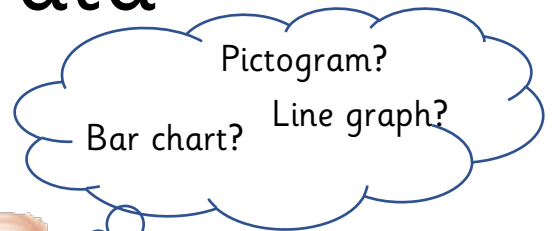
Zach's Data

- Age
- Telephone number
- Favourite food
- Favourite colour

# Present Data

To show the information you have  
collected.

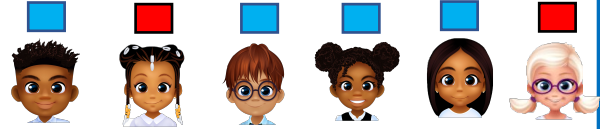
This can be presented/shown in  
different ways.



# Discrete Data

Data that can be counted. It can only have certain numbers. When you collect data from your friends, this is discrete data because you cannot count half of a friend!

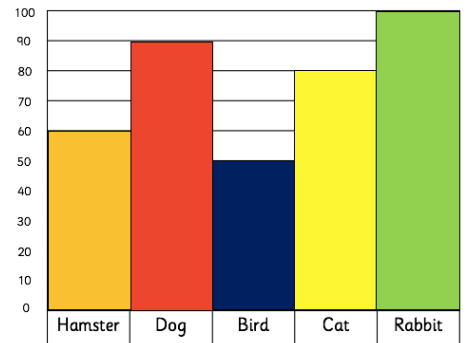
4 people chose blue.



# Comparison

This means to compare your results.

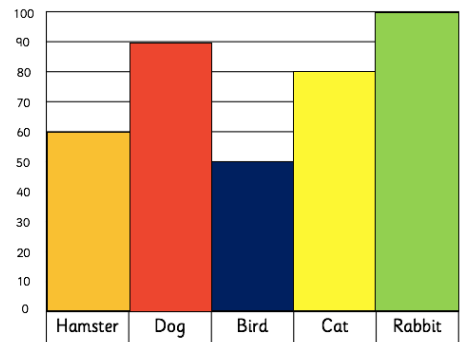
How many more children have a hamster than a bird?



# Sum

Sum problems involve adding.

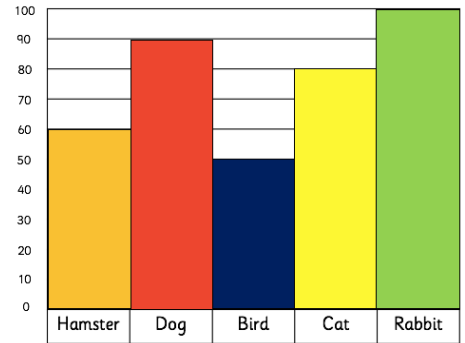
How many people voted altogether?



# Difference

When you have difference problems, these will involve subtracting.

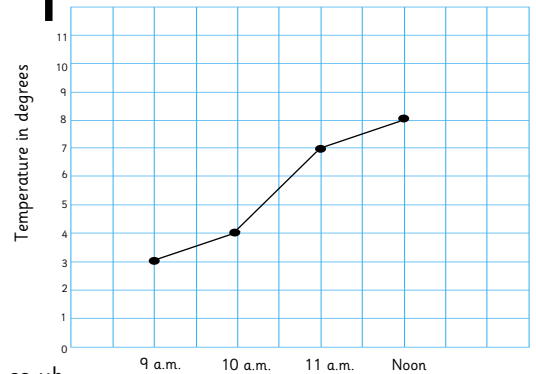
What was the difference in the least popular and most popular?



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# Line Graphs

These graphs have points and are connected by a line. It shows how something changes as time goes by or if something else changes.



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Statistics Year 3

# Statistics

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

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Statistics Year 4

# 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"

Key  
☺ = 5 votes

Symbol

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Statistics Year 4

# Bar Chart

A chart that uses bars of different heights to show values of different things.

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Statistics Year 3

# 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	☺☺☺☺☺☺☺☺☺☺	

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Statistics Year 4

# Result

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

Sweet	Tally	Number
Fudge		12
Carrot		18
Toffee		15
Popping Candy		4
Marshmallow		13

Results

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Statistics Year 4

# 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!

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Statistics Year 3

# Value

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

10

Key  
☺ = 5 votes

Value

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Statistics Year 4

# Key (Pictogram)

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
Laila	☺☺☺☺☺☺☺☺☺☺	
George	☺☺☺☺☺☺☺☺☺☺	

Key

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Statistics Year 4

# 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

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Statistics Year 4

# Scale

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

Scale

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Statistics Year 4

# 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.

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Statistics Year 4

# Discrete Data

Data that can be counted. It can only have certain numbers. When you collect data from your friends, this is discrete data because you cannot count half of a friend!

4 people chose blue.

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Statistics Year 4

# Interval

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

Interval = 5

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Statistics Year 4

# 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	

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Statistics Year 4

# Comparison

This means to compare your results.

How many more children have a hamster than a bird?

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Statistics Year 4

# 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

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Statistics Year 4

# 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

Columns Rows

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Statistics Year 4

# Sum

Sum problems involve adding.

How many people voted altogether?

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Statistics Year 4

# Axis

A line drawn on a graph. Here you can see a Y axis and an X axis.

Y X

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Statistics Year 4

# Difference

When you have difference problems, these will involve subtracting.

What was the difference in the least popular and most popular?

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Statistics Year 4

# Information

Another word for data. It tells/ informs you about something.

Zach

Zach's Data

- Age
- Telephone number
- Favourite food
- Favourite colour

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Statistics Year 4

# Line Graphs

These graphs have points and are connected by a line. It shows how something changes as time goes by or if something else changes.

Temperature in degrees Celsius

9 a.m. 10 a.m. 11 a.m. 1 p.m.

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Statistics Year 4

# Present Data

To show the information you have collected. This can be presented/shown in different ways.

Pictogram? Bar chart? Line graph?

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Year 4 - Statistics Vocabulary Assessment

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Statistics		Key (Pictogram)		Interval	
Pictogram		Bar Chart		Most Popular	
Value		Interpret		Least Popular	
Symbol		Data		Tally Chart	
Result		Scale		Table	
Axis		Information		Present Data	
Discrete Data		Comparison		Sum	
Difference		Line Graphs			

Year 4 - Statistics Vocabulary Assessment

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Statistics		Key (Pictogram)		Interval	
Pictogram		Bar Chart		Most Popular	
Value		Interpret		Least Popular	
Symbol		Data		Tally Chart	
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Axis		Information		Present Data	
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Difference		Line Graphs			

Year 4 - Statistics Vocabulary Assessment

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Statistics		Key (Pictogram)		Interval	
Pictogram		Bar Chart		Most Popular	
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Symbol		Data		Tally Chart	
Result		Scale		Table	
Axis		Information		Present Data	
Discrete Data		Comparison		Sum	
Difference		Line Graphs			