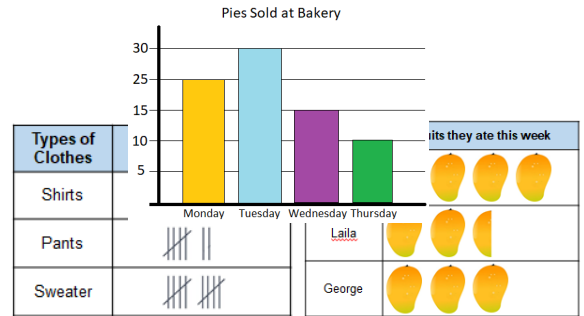


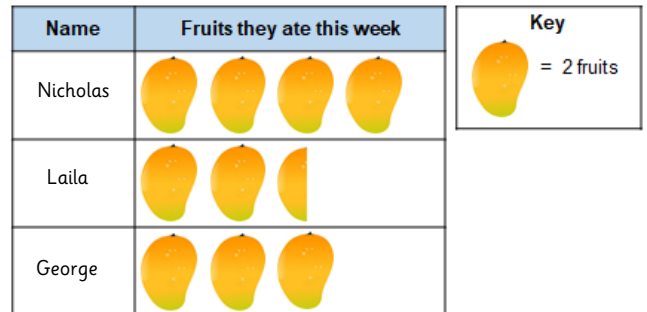
Statistics

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



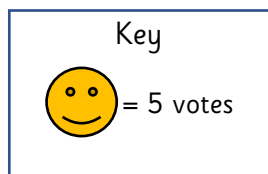
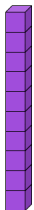
Pictogram

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 |  |

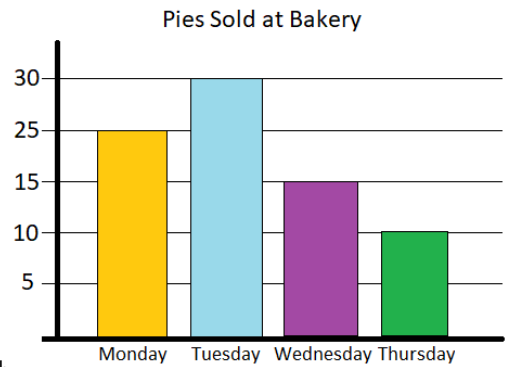
Key

 = 2 fruits

Key

Bar Chart

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



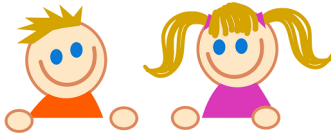
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Interpret

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



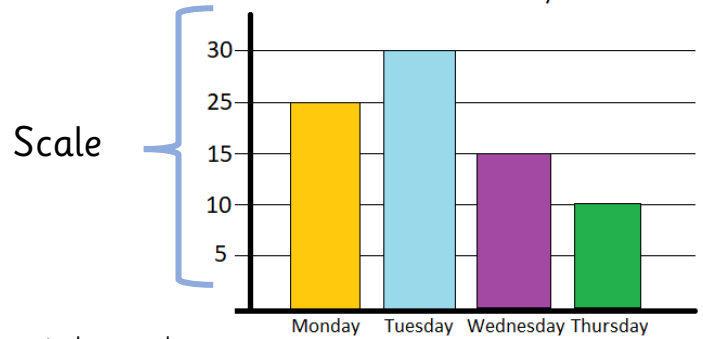
Zach's Data

- 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.

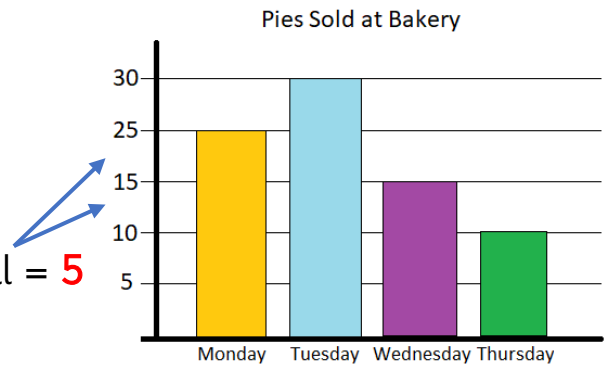


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Interval

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

Interval = 5

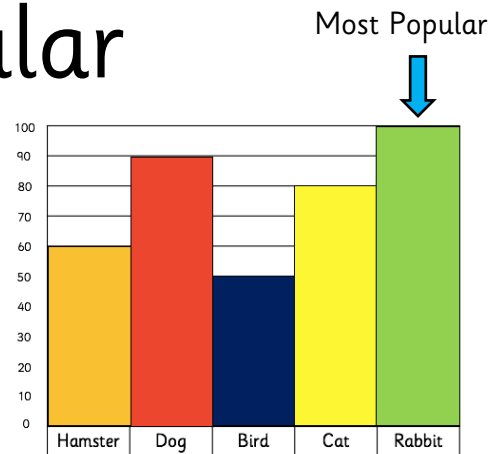


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Most Popular

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

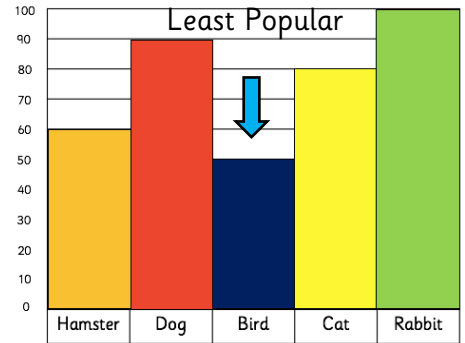
You can see what is the most popular from your data collected.



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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.

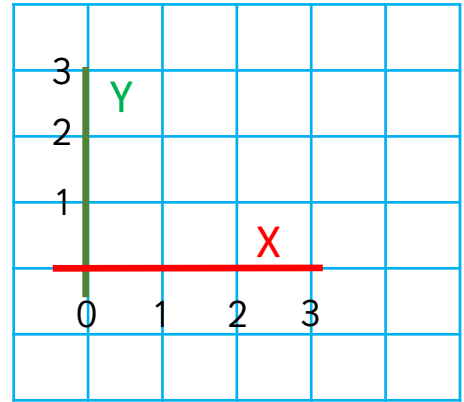
Columns

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



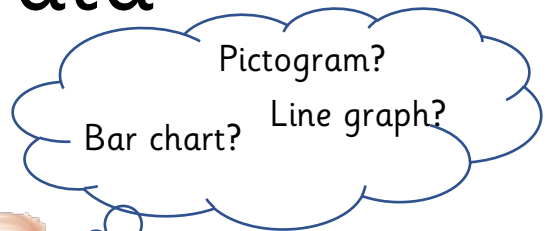
Zach's Data

- Age
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- Favourite food
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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!

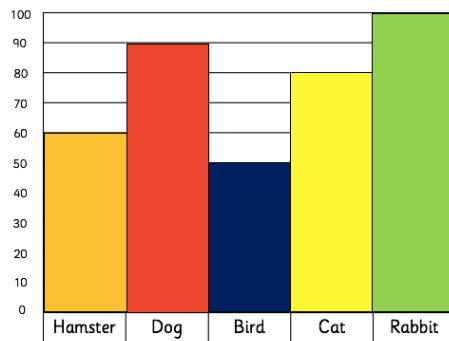
4 people chose blue.



Comparison

This means to compare your results.

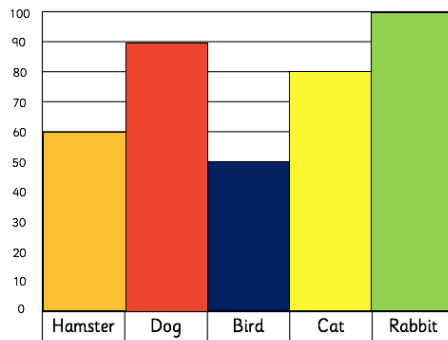
How many more children have a hamster than a bird?



Sum

Sum problems involve adding.

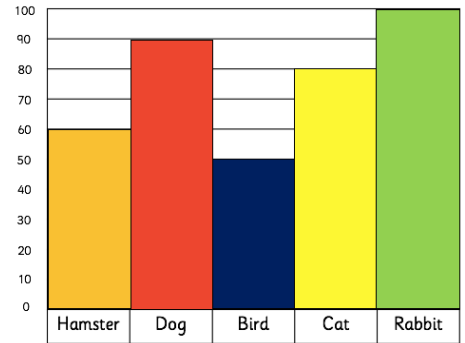
How many people voted altogether?



Difference

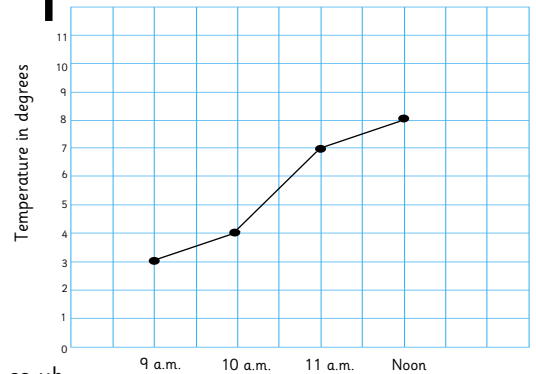
When you have difference problems, these will involve subtracting.

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



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.



Two-way Tables

Two-way tables show data from two categories. This table shows the data split into male and female.

| | Male | Female | Total |
|-----------|------|--------|-------|
| Constable | 55 | 24 | 79 |
| Sergeant | 8 | 5 | 13 |
| Inspector | 2 | 4 | 6 |
| Total | 66 | 34 | 100 |

Statistics Year 5

Statistics

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Statistics Year 5

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Statistics Year 5

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Statistics Year 5

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Statistics Year 5

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Results

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Statistics Year 5

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Statistics Year 5

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Statistics Year 5

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Key

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Statistics Year 5

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Statistics Year 5

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Scale

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Statistics Year 5

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Statistics Year 5

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Statistics Year 5

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Statistics Year 5

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Statistics Year 5

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Most Popular

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Statistics Year 5

Table

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

Columns

Rows

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Statistics Year 5

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

Pictogram? Line graph? Bar chart?

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Statistics Year 5

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Statistics Year 5

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Statistics Year 5

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Statistics Year 5

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

9 a.m. 10 a.m. 11 a.m. 3 p.m.

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Statistics Year 5

Sum

Sum problems involve adding.

How many people voted altogether?

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Statistics Year 5

Two-way Tables

Two-way tables show data from two categories. This table shows the data split into male and female.

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Year 5 - 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 | | Two-way Table | |

Year 5 - Statistics Vocabulary Assessment

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Year 5 - Statistics Vocabulary Assessment

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| | | | | | |
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