

## GRAPHS AND TABLES

- Using tables and graphs is a way people can interpret data.
- Data means information. So interpreting data just means working out what information is telling you.
- Information is sometimes shown in tables, charts, and graphs to make the information easier to read. It is important to read all the different parts of the table, chart, or graph.
- There are several ways that data can be displayed:
  - Bar & Column charts
  - Pie charts
  - Line charts
  - Tally Marks and Frequency Tables
  - Pictograms

### Tables

A table is used to show different things.

but different



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Name	Color	Number of Gears	Price
Ranger	Silver	5	\$240
Outdoor	Blue	10	\$295
Tourist	Red	15	\$289
Starburst	Silver	15	\$315
Mountain	White	5	\$229

- The **title** tells us what the table is about.
- The **headings** tell us what data is in each column.
- To find the **color** of the Tourist bike, look across the Tourist row until it meets the Color column. The Tourist bike is Red.

## Tally Marks & Frequency Tables

Tally marks are used for counting things.

The manager of the bike shop could add another mark to the table below every time a bike was sold.

Bikes sold today

Bike	Tally
Ranger	III
Outdoor	
Tourer	
Starburst	II
Mountain	

Every 5th mark is drawn across the last 4 marks. That makes the tally marks easier to count as they build up in blocks of 5.

Frequency table

Total bikes sold

Bike	Tally	Total
Ranger	III	3
Outdoor		5
Tourer		0
Starburst	II	2
Mountain		10
Total bikes sold		20

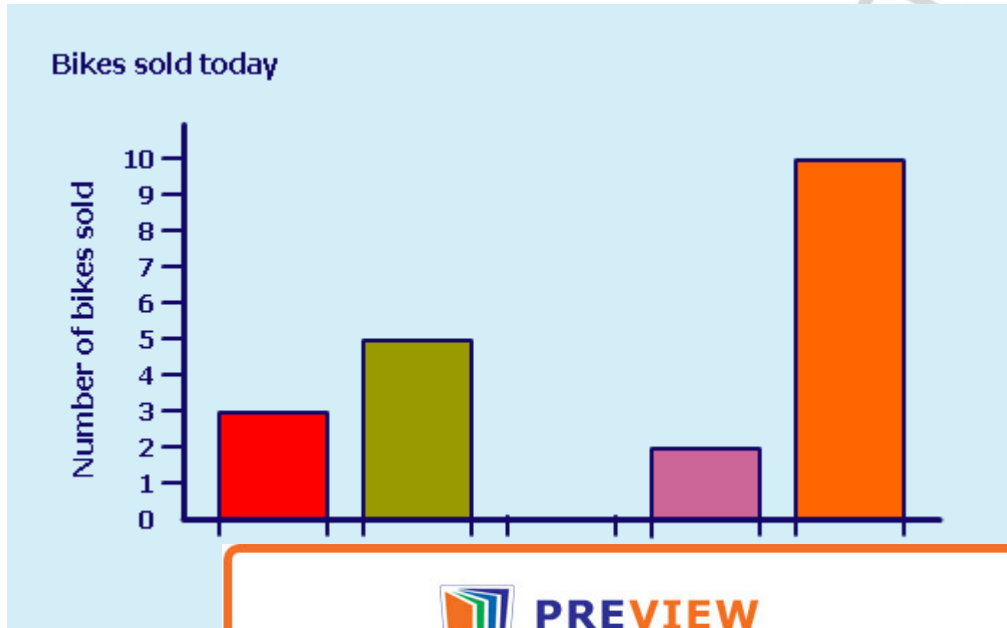


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## Bar and Column Charts

Bar charts are one way of showing the information from a frequency table.



The hei

sold.

## Pictograms

Pictograms are another way of showing the frequency of information.



The key shows that a picture of 1 wheel represents 2 bikes. So half a wheel represents 1 bike.

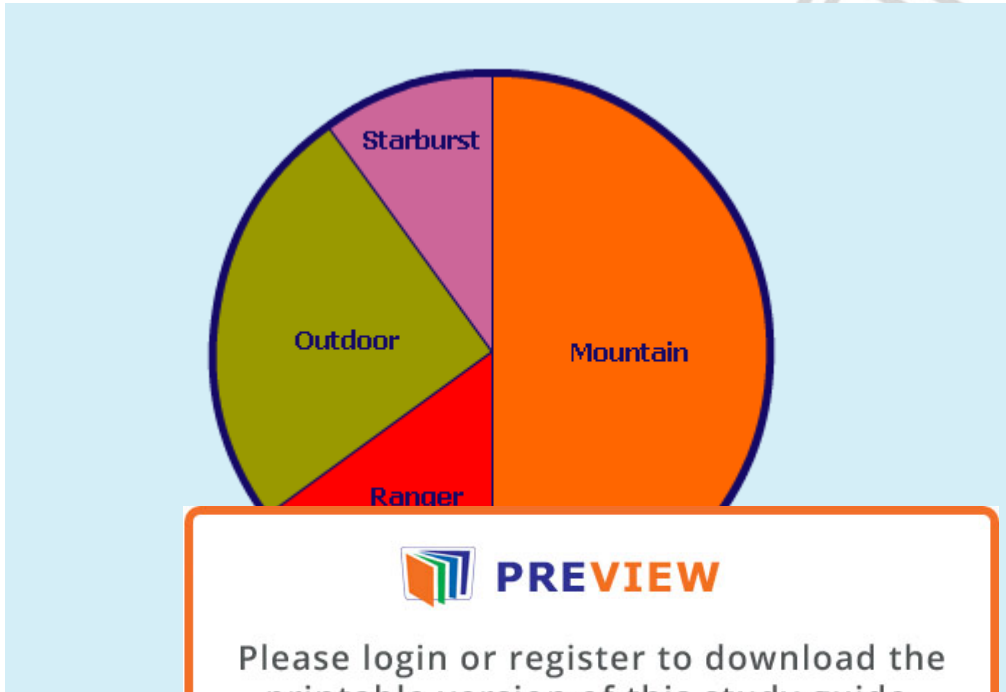

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## Pie Charts

Pie charts are circles divided into segments, where each segment represents a fraction of the total amount.



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This pie chart shows the distribution of bike sales. The Mountain segment represents 50% of the total sales, which is exactly half the number of bikes sold in total (20 bikes).

## Try This!

### Types of Bikes Sold at the Bike Shop

Name	Color	Number of Gears	Price
Ranger	Silver	5	\$240
Outdoor	Blue	10	\$295
Tourist	Red	15	\$289
Starburst	Silver	15	\$315
Mountain	White	5	\$229

Using the chart above, answer the following questions;

1. Of the bikes that were sold, which were silver?
2. Which bike is the most expensive? The least expensive?



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