

# STATISTICS

## A COLLECTING DATA

Turn on the TV or flip through a newspaper, and you'll often spot statistics in action. For example:

- Su averages 14.6 points per basketball game.
- Last year was the hottest on record since 1897.

### Definition **Statistics**

**Statistics** is all about collecting information, sorting it out, summarizing it, and figuring out what it means.

### Method **Collecting Data**

To collect data, follow these steps:

1. Ask each student your question, like "What is your favorite pet?"
2. Write down what each student says. You can:
  - Write their name next to their answer (e.g., "Emma: Dog").
  - Or use tally bars to count the answers (e.g., draw a tally mark for each "Dog").

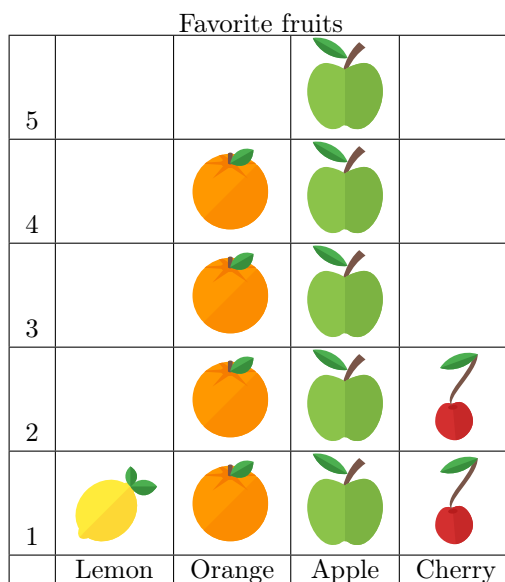
This helps you keep track of everyone's answers.

## B REPRESENTING DATA

### Definition **Pictograph**

A **pictograph** uses pictures or symbols to show data.

Ex:



- Lemon: 1 student.
- Orange: 4 students.
- Apple: 5 students.
- Cherry: 2 students.