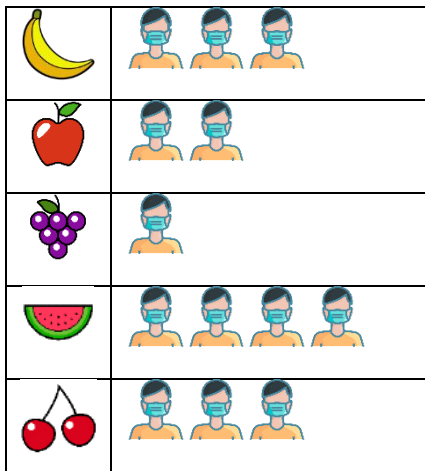



# Statistics

## Pictograph

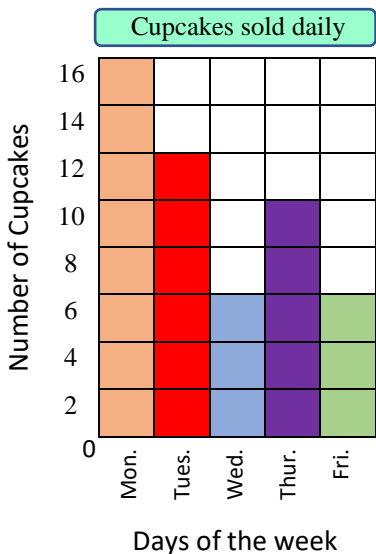
Favourite Fruit



 = 4 students

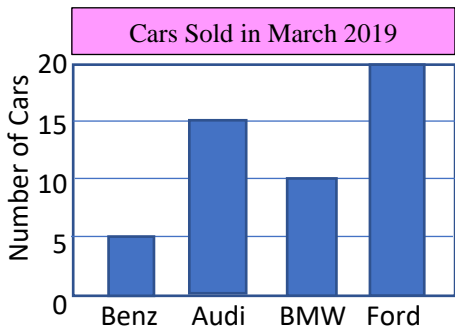
A *pictograph* uses the *same symbol* to represent one or more than one.

## Block Graph



A *block graph* uses blocks to represent different amounts.

## Bar Graph



A *bar graph* uses bars to show data.

## Tally Chart

### Favourite Chocolate

Chocolate	Tally	Frequency
Milk		22
Dark		5
White		13
Total		40

## Mode:

The *mode* is the most frequently occurring number or numbers in a set of data.

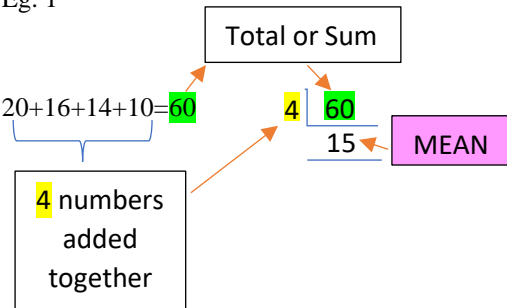
Eg. 2, 5, 5, 7, 11, 2, 2, 13

The number 2 occurs three times, which is more than any other number, hence it is the mode.

## Mean:

The *mean* or average is the **sum** of a set of numbers **divided** by the **number of numbers** added together.

Eg. 1



## Sum:

$$\text{Sum} = \text{mean} \times \text{quantity of numbers added}$$

From eg. 1:

$$\text{Sum} = 15 \times 4 = 60$$

## Number of numbers:

$$\text{Number of numbers} = \text{sum} \div \text{mean}$$

From eg. 1:

$$\text{Number of numbers} = 60 \div 15 = 4$$