

# Finding Mean, Median and Mode of Grouped Data

- 1 The table below gives the volume of petrol (in litres) William used for his bike in the last 20 days. Find the mean, median and mode of the given data.

Volume of petrol (in litres)	Number of days
1 - 5	2
5 - 10	4
10 - 15	10
15 - 20	4

- 2 Find the mean, median and mode for the following frequency table.

$x$	10	20	25	30	37	55
$f$	5	12	14	15	10	4

- 3 Find the mean, median and mode for the given grouped data.

- a Given below are the ages of 100 people with the number of people belonging to each age range (frequency).

Age	8 - 10	11 - 13	14 - 16	17 - 19
Frequency	12	25	37	26

- b Given below are the prices of 150 stamps with their numbers collected (frequency).

Price	10 - 20	20 - 30	30 - 40	40 - 50
Frequency	24	38	52	36

# Finding Mean, Median and Mode of Grouped Data

## Answers

- 1 The table below gives the volume of petrol (in litres) William used for his bike in the last 20 days. Find the mean, median and mode of the given data.

Volume of petrol (in litres)	Number of days
1 - 5	2
5 - 10	4
10 - 15	10
15 - 20	4

Ans: Mean = 11.55, Median = 12.5, Mode = 12.5

- 2 Find the mean, median and mode for the following frequency table.

x	10	20	25	30	37	55
f	5	12	14	15	10	4

Ans: Mean = 28, Median = 10, Mode = 30

- 3 Find the mean, median and mode for the given grouped data.

- a Given below are the ages of 100 people with the number of people belonging to each age range (frequency).

Age	8 - 10	11 - 13	14 - 16	17 - 19
Frequency	12	25	37	26

- b Given below are the prices of 150 stamps with their numbers collected (frequency).

Price	10 - 20	20 - 30	30 - 40	40 - 50
Frequency	24	38	52	36

Ans: a) Mean = 14.31, Median = 15, Mode = 15

b) Mean = 31.66, Median = 35, Mode = 35