

Exercise

01. Find the mode, the median, the mean and the range of each collection of data.

- (i) 9, 10, 13, 11, 13, 8, 9, 7, 11, 6, 9
- (ii) 34, 33, 19, 34, 46, 24, 54, 33, 34
- (iii) 79, 79, 81, 71, 79, 66, 70, 71
- (iv) 4.5, 3.5, 5.8, 2.3, 4.9
- (v) 13.5, 33.4, 23.6, 9.3

02. The number of candies in 10 jars is given below.

50, 51, 49, 48, 50, 51, 50, 51, 48, 52

For these jars, find

- (i) The mode
- (ii) The median
- (iii) The mean number of candies in a jar.

03. The lengths of the calls received on a certain day by a person who uses a mobile phone are given below to the nearest minute.

4, 3, 6, 11, 2, 4, 8, 4, 5, 7, 3, 5, 4, 9, 12, 5, 4, 3

- (i) Write the range of the given set of data.
- (ii) What is the mode?
- (iii) Write the median.
- (iv) Using the mean, estimate the time in hours and minutes that could be expected to be spent on 100 calls that are received by this person.

04. The height of 30 students in a certain class is given in centimeters.

116	124	112	115	110	123
123	115	113	119	114	125
126	121	131	125	117	121
135	112	127	129	128	129
132	115	110	132	121	131

- (i) Represent the above data in a stem and leaf plot.
- (ii) What is the height of the shortest student?
- (iii) What is the height of the tallest student?
- (iv) Find the range of their heights.
- (v) Find the mode.