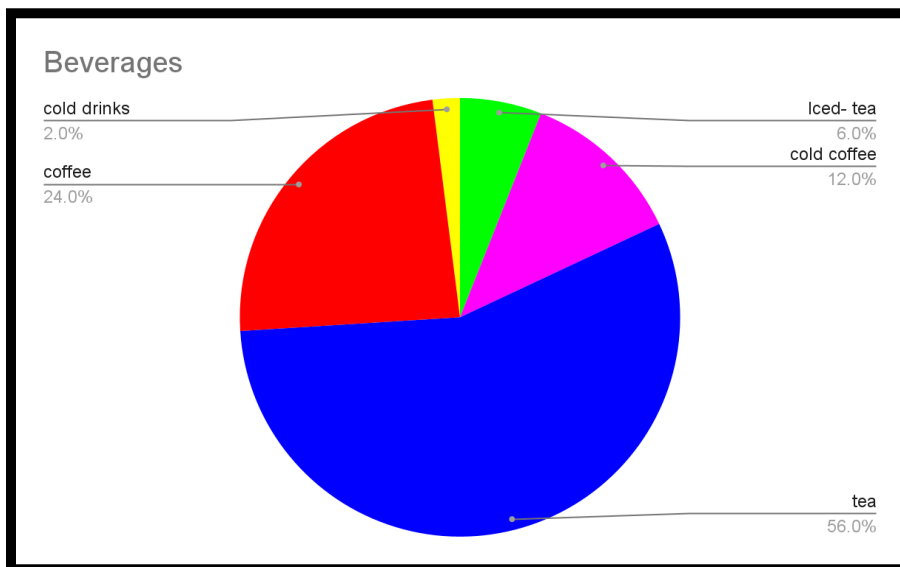# Data Handling

1. Ashish studies for 4 hours, 5 hours, and 3 hours respectively on 3 consecutive days. How many hours does he study daily on an average?
2. A batsman scored the following number of runs in six innings:

   36,35,50,46,60,55

   Calculate the mean runs scored by him in an inning.
3. The ages in years of 10 teachers of a school are:

   32, 41, 28, 54, 35, 26, 23, 33, 38, 40

   a. What is the age of the oldest teacher and that of the youngest teacher?

   b. What is the range of the ages of the teachers?

   c. What is the mean age of these teachers?
4. Find the mode of the given set of numbers: 1, 1, 2, 4, 3, 2, 1, 2, 2, 4
5. The numbers of children in 10 families of a locality are:
   2, 4, 3, 4, 2, 3, 5, 1, 1, 5 Find the mean number of children per family.
6. In summer, a survey was conducted among 400 people about their favorite beverages. The following pie chart shows the data:

Beverages

cold drinks 2.0%
coffee 24.0%
Iced- tea 6.0%
cold coffee 12.0%
tea 56.0%

Answer the following questions:

(i) how many people like tea?

(ii) how many more people like coffee than cold coffee?

(iii) what is the total central angle for iced tea and cold drinks?

7. The rainfall (in mm) in a city on 7 days of a certain week was recorded as follows:

Day	Mon	tue	wed	thu	fri	sat	sun
Rainfall (in mm)	0.0	12.2	2.1	0.0	20.5	5.3	1.0

    (i) Find the range of the rainfall from the above data.

    (ii) Find the mean rainfall for the week.

    (iii) On how many days was the rainfall less than the mean rainfall.

8. Find the median and mode of the data: 35, 32, 35, 42, 38, 32, 34.

9. Find the median of the following observations: 46, 64, 87, 41, 58, 77, 35, 90, 55, 92, 33. If 92 is replaced by 99 and 41 by 43 in the above data, find the new median?

10. The mean of five numbers is 27. If one number is excluded, their mean is 25. Find the excluded number.

11. The following table shows the weights (in kg) of 15 workers in a factory:

Weight (in kg)	60	63	66	72	75
Number of workers	4	5	3	1	2

Calculate the mean weight.

12. Numbers 50, 42, 35, 2x+10, 2x-8, 12, 11, 8, 6 are written in descending order and their median is 25, find x.