

Dot plot

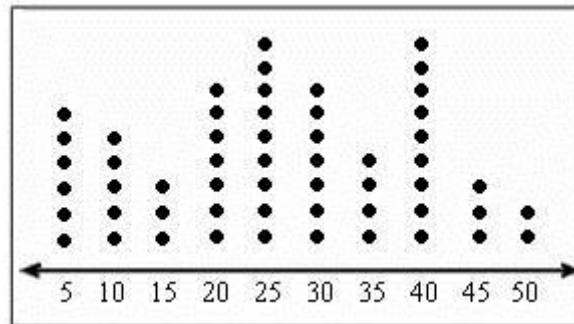
Definition of Dot plot

- In a Dot Plot, a set of data is represented by using dots over a number line.

More about Dot plot

- The number of dots over the number line tells the value of the data points.

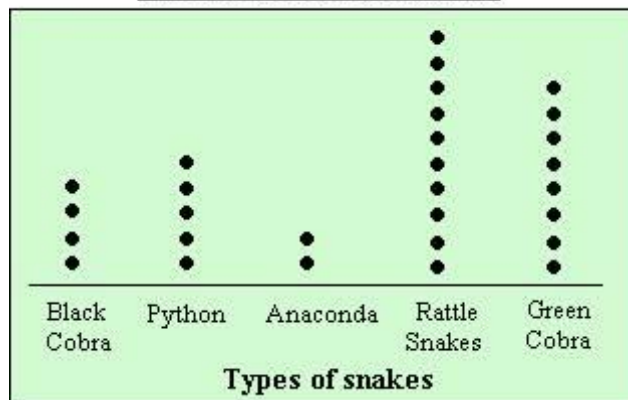
Example of Dot plot



- A dot plot is as shown in the figure.
The frequency of the data points is represented by the dots.

The number of various kinds of snakes found in a zoo is shown in the dot plot. What is the total number of snakes in the zoo?

Number of Snakes in a Zoo



Choices:

- A. 29
- B. 25
- C. 30
- D. 34

Correct Answer: A

Solution:

Step 1: The number of snakes of a particular kind in the zoo is indicated by the number of dots above the name of the snake in the dot plot.

Step 2: From the plot, the number of Black cobras, Pythons, Anacondas, Rattlesnakes and Green cobras in the zoo are 4, 5, 2, 10 and 8 respectively. [Count the number of dots over each snake name.]

Step 3: The total number of snakes in the zoo = $4 + 5 + 2 + 10 + 8 = 29$ [Add the number of snakes of each kind.]

Step 4: So, there are a total of 29 snakes in the zoo.