

In a study on survival time for ten patients following a new treatment for AIDS. The time in months were given thus: 24, 12, 8, 20, 3, 18, 24, 25, and 27. Determine the range for the given data. a. 24 b. 17 c. 8 d. 25

**Solution**

24 12 8 20 3 18 24 25 27 [Original data set].

The difference between the greatest value and the least value of the numbers in a set of data is called the range.

The maximum time is 27 months.

The minimum time is 3 months.

The difference between the maximum time and the minimum time =  $27 - 3 = 24$ .

So, the range of their survival times is 24 months.

**Answer: a. 24.**