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 mode for the given data.

17.9

24

18

24

Solution

The mode is the score that occurs most frequently.

The time in months was 24 12 8 20 3 18 24 25 27 [Original data set].

Ordering the number of months from least to greatest, we get:

3 8 12 18 20 24 24 25 27 [Arrange in order].

24 occurred two times and no other score occurred more than once.

The score which occurs most often (the mode for the given data) is 24.

Answer: 24.