

Unit 10 Remediation Objective 15

To be able to represent data with box-and-whisker plot.

A box-and-whisker plot uses the least value, the greatest value, the median, and the upper and lower quartiles of the data.

-The upper quartile is the median of all the numbers in the upper half of the data.

-The lower quartile is the median of all the numbers in the lower half of the data.

Example:

Draw a box-and-whisker plot to show this data:

50, 53, 57, 60, 65, 66, 68, 70, 71, 71, 71, 71, 85

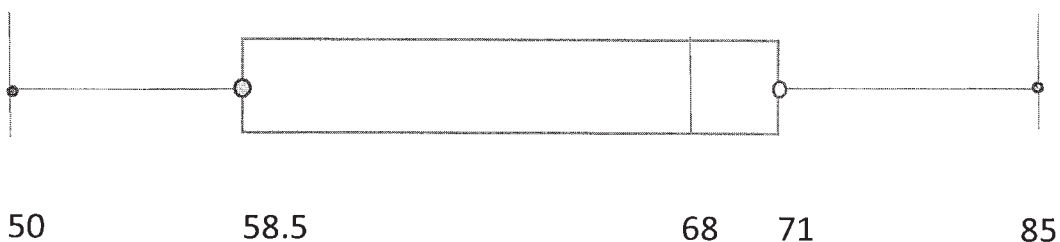
On a number line, graph the following points.

Lower extreme(least value)-50 Upper extreme(greatest value)-85

Median-find middle number -68

Upper quartile (find the middle between median and upper extreme)-71

Lower quartile (find the middle between median and lower extreme)-58.5



Create box-and-whisker plots for each set of data. Show your work.

1. Rainy Days per Month-0, 1, 1,3, 5, 6, 7,7, 8, 8, 8, 8, 9, 10

2. Test Scores for the class: 98, 76, 83, 85, 88, 94, 78, 93, 86, 86