

Unit 9: Review

1. Create a set of data that includes 12 values.
2. Find the mean, median, mode, and range of your data set.
3. Add an outlier to your data set.
4. Recalculate the mean, median, mode, and range of your new data set.
5. Determine how each of the descriptors changed with the addition of an outlier.
6. Find each missing value.

- a. 4, 7, 2, 7, 8, 10, x mean = 7
- b. 18, 32, 12, 10, 32, 12, 14, y mode = 12
- c. 23, 25, 20, 15, 28, 19, 18, z range = 18

13, 15, 18, 16, 19, 12, 10, 15, 17, 15, 20

7. Use the data set above to determine the minimum value, maximum value, median, upper quartile, lower quartile, and interquartile range. Create a box-and-whisker plot for the data set.
8. For the above data set, find the mean absolute deviation.
9. Use the data set above to make a line plot.

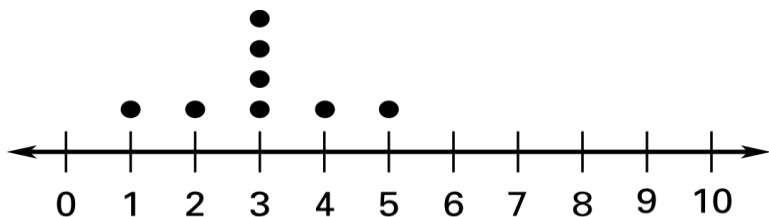
10. Sarita recorded the following number of minutes the bus was late. Organize her data in a frequency table.

3, 7, 0, 4, 10, 6, 8, 5, 3, 11, 12, 0, 7, 4, 8, 17, 15, 12, 13, 5

11. Use Sarita's data to make a histogram.

12. The data set and dot plot display the number of questions a student missed on 8 math quizzes. What is a correct description of the distribution?

1	3	5	3
3	2	4	3



13. The box-and-whisker plots show the distribution of test scores for two students for a semester. What conclusion can you make about the data?

