

Question 1.

Identify any outliers in each set of data.

- a) 12, 18, 23, 11, 26, 17, 290, 32
- b) 1005, 2099, 1873, 2354, 4012, 124564, 2978, 6001

Question 2.

- a) Determine the mean, median, and mode for the following data.
12, 34, 51, 32, 89, 45, 56, 13
- b) Determine the mean, median, and mode for the following data.
12, 34, 51, 32, 89, 45, 678, 13
- c) Examine the two sets of data. One of the sets has an outlier. Identify it.
- d) Which measure of central tendency has changed a lot because of the outlier? Explain why that happens if an outlier is present.

Question 3.

- a) Determine the mean for the following data.
12, 34, 56, 25, 45, 38, 47, 33, 21, 50
- b) Pick one of the numbers in the data above and multiply its value by 20.
- c) Calculate the mean for the changed data. What happened and why?