

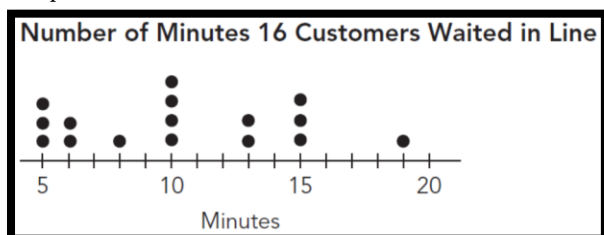
For questions 1 to 5, refer to the following information:

Starting Weights in Pounds of 36 Female Students Participating in a Weight-Loss Program	
Stem	Leaves
12	3 8 8 9
13	2 3 3 4 4 8 9
14	0 2 2 4 5 5 5 6 8 8 9
15	0 1 3 3 5 6 7 8 9 9
16	1 2 2 9

Legend: 12|3 = 123

- According to the stem-and-leaf plot, what starting weight occurs most often?
 - 128
 - 134
 - 145**
 - 162
- According to the stem-and-leaf plot, approximately what percent of the 36 female participants have a starting weight of at least 145 pounds?
 - 33 %
 - 44 %
 - 50 %
 - 58%**
- To the nearest tenth**, what is the **mean** starting weight in pounds of the 36 participants?
 - 140.0
 - 145.0
 - 145.5
 - 145.8**
- To the nearest tenth**, what is the **median** starting weight in pounds of the 36 participants?
 - 140.0
 - 145.0
 - 145.5**
 - 145.8
- What is the modal starting weight in pounds of the 36 participants?
 - 128
 - 145**
 - 162
 - There is no mode

For questions 6 to 11, refer to the information shown here:



- According to the dot plot, how many customers waited less than 15 minutes in line?
 - 10
 - 12**

- 13
 - 15
- According to the dot plot, what is the greatest amount of time in minutes waited in line by a customer?
 - 15
 - 17
 - 19**
 - 20
 - The median is
 - 8
 - 9
 - 10**
 - 13
 - The first Quartile Q1 is
 - 4
 - 5
 - 6**
 - 7
 - The IQR is equal to
 - 8**
 - 6
 - 3
 - 14
 - To the nearest tenth**, what is the **mean number** of minutes the 16 customers waited in line?
 - 10.0
 - 10.3**
 - 10.5
 - 11.0
 - In the following data set, what additional number should be included in the data set to yield a **mean of 10**?
5, 8, 10, 12, ____
 - 8
 - 10
 - 12
 - 15**
 - A student has the following scores on **three 100-point tests: 77, 91, and 94**. What score must the student earn on the **fourth** 100-point test to have an average (**mean**) of **90** for the four tests?
 - 90
 - 95
 - 98**
 - 100
 - Consider the following data as a sample and calculate the variance to three decimal places.
15, 33, 30, 50, 0
 - 359.300**
 - 287.440
 - 18.955
 - 16.954
 - Consider the following data as a sample and calculate the standard deviation to two decimal places.
-4, 25, -4, 11, 19, 4
 - 144.30
 - 120.25
 - 12.01**
 - 10.97

BEST WISHES // Dr. Mostafa A. Elhosseini