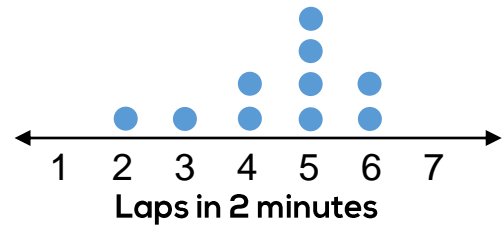


# Dot Plots Practice

In basketball practice yesterday, Jenny's coach made the players run laps around the gym. She kept track of how many laps they ran in 2 minutes, then plotted that data on the dot plot, as shown.



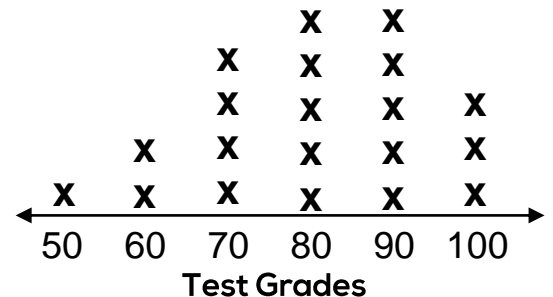
What is the median number of laps run by these basketball players?

What is the average (mean) number of laps run by these 10 players?

Which of the following statements can NOT be supported by this data?

- A** More than half of the players ran at least 5 laps.
- B** More than half of the players ran less than 5 laps.
- C** More than 75% of the players ran less than 6 laps.
- D** More than 75% of the players ran no more than 5 laps.

Mr. Lewis, a Science teacher, compiled the Test grades of his 7<sup>th</sup> period class in this dot plot.



What is the range of these test grades?

What is the median test grade?

Which table shows the same data as this line plot?

**A**

Grade	Number of Students
1	50
2	60
4	70
5	80
5	90
3	100

**B**

Grade	Number of Students
50	1
60	2
70	4
80	5
90	5
100	3

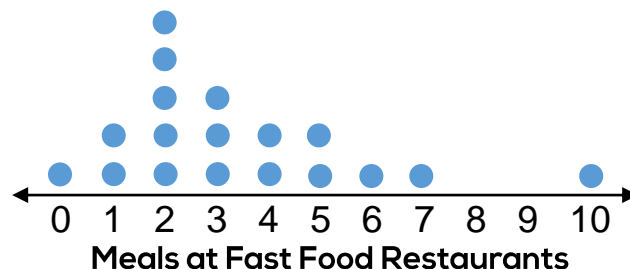
**C**

Grade	Number of Students
50	50
60	120
70	280
80	400
90	450
100	300

**D**

Grade	Number of Students
50	3
60	5
70	5
80	4
90	2
100	1

A survey was taken of the number of times per week that students eat at fast food restaurants. The results of that survey were compiled into this dot plot.



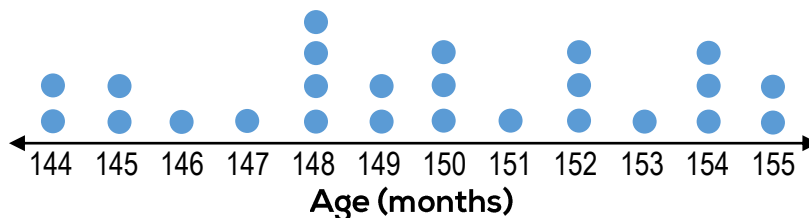
The median number of times per week these students eat at fast food restaurants is \_\_\_\_\_ .

The mode of this data is \_\_\_\_\_ .

Which of the following describes the distribution of this data?

- A** This data is symmetric, so the mean and median are about the same.
- B** This data is left-skewed, so the mean is smaller than the median.
- C** This data is right-skewed, so the mean is larger than the median.
- D** This data is symmetric, so the mode and the range are about the same.

This dot plot shows the ages, in months, of a group of students.



Mark each of the following statements true or false based on this data.

T F The mode of these ages is  $12\frac{1}{3}$  years old.

T F The median age is  $12\frac{1}{2}$  years old.

T F The range of the data is 3.

T F This data set contains outliers.

If a data point was added at 120 months, which of the following statements would be true?

- A** The mean would increase.
- B** The mean would decrease.
- C** The mode would increase.
- D** The range would decrease.