

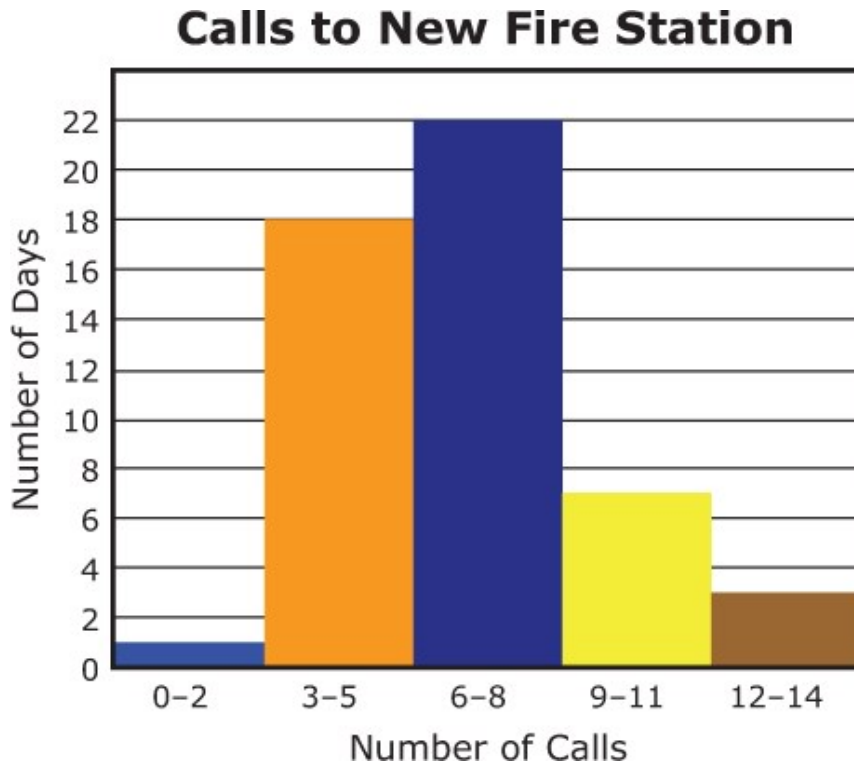
TEST NAME: **Statistics (SP.5)**
TEST ID: **181073**
GRADE: **06**
SUBJECT: **Mathematics**
TEST CATEGORY: **School Assessment**

Student: _____

Class: _____

Date: _____

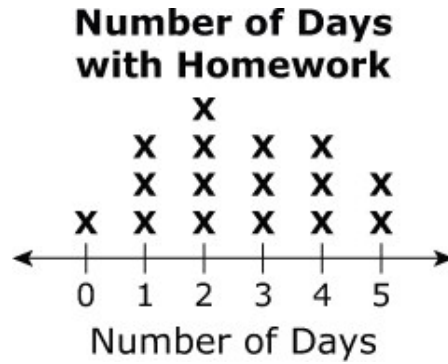
1. The histogram shows the number of calls a new fire station has received each day since it opened.



How many days has it been since the new fire station opened?

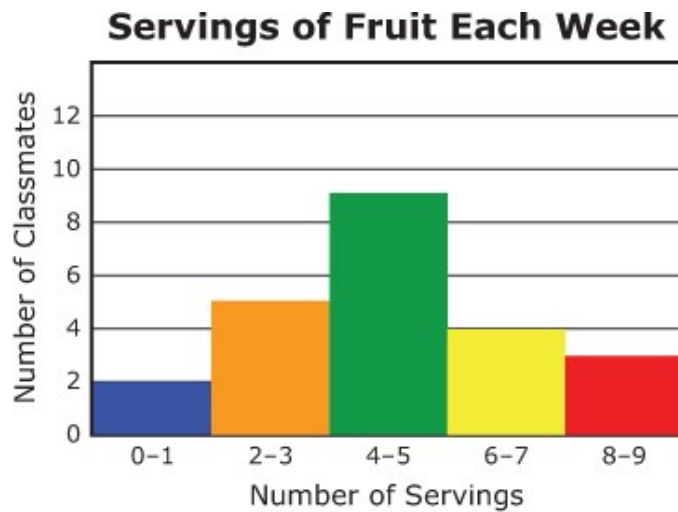
- A. 14
- B. 22
- C. 40
- D. 51

2. Denise collected data about how many days her friends had homework last week. She recorded the data in the line plot below.



How many of Denise's friends had homework on 2 or 3 days last week?

- A. 2
 - B. 3
 - C. 5
 - D. 7
3. Vanessa collected data about how many servings of fruit her classmates eat each week. The histogram below displays the data.



How many of Vanessa's classmates eat more than 5 servings of fruit each week?

- A. 3
- B. 7
- C. 16
- D. 23

4. A basketball team played 20 games this season. Which method could be used to determine the average number of fans who attended the games?
- A. Count the number of fans at each game and divide the total by 20.
 - B. Count the number of fans at the first and last game and divide the total by 2.
 - C. Count the number of fans at the first and last game and find the difference.
 - D. Count the number of fans at each game and find the difference between the maximum and minimum number of fans.
5. Milo is surveying 10 students who walk to school. How can Milo determine the average amount of time, in minutes, that it took the students to walk to school during the last 5 school days?
- A. Divide the total number of minutes it took the students to walk to school all week by 5.
 - B. Divide the total number of minutes it took the students to walk to school all week by 10.
 - C. Divide the total number of minutes it took the students to walk to school all week by 50.
 - D. Divide the total number of minutes it took the students to walk to school all week by 60.

6. Cole listed his math quiz scores below.

69, 79, 77, 81, 99, 94, 85, 92, 86, 81, 75, 72

What is the interquartile range for this set of quiz scores?

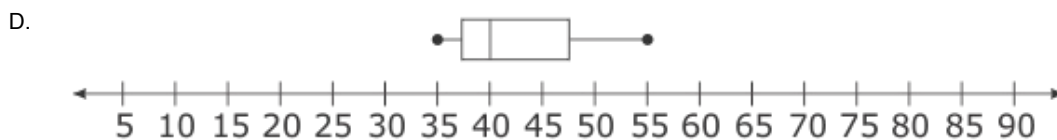
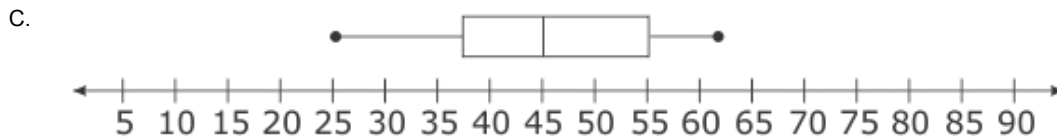
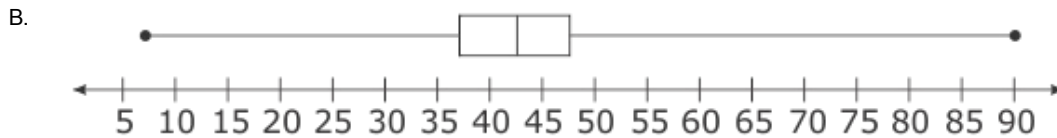
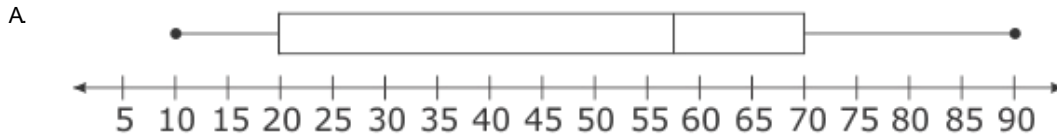
- A. 11
 - B. 13
 - C. 15
 - D. 30
7. Susan surveyed several people over the age of 65 to see how many hours a week they spend exercising. Their answers are shown below.

0, 2, 3, 4, 5, 5, 7, 8, 8, 9, 10, 10, 10, 11, 13

What is the **approximate** mean absolute deviation for this set of data?

- A. 8
- B. 7
- C. 3.9
- D. 3.1

8. Which graph has the smallest interquartile range?



9. Terry scored 71, 80, and 86 on his first three history tests. What must Terry score on the fourth test to have a mean of exactly 80?

- A. 80
- B. 83
- C. 85
- D. 88

10. Julian uses the high temperature for each day during the month of June to make a list of values. Which measure represents the temperature that is roughly the middle value?

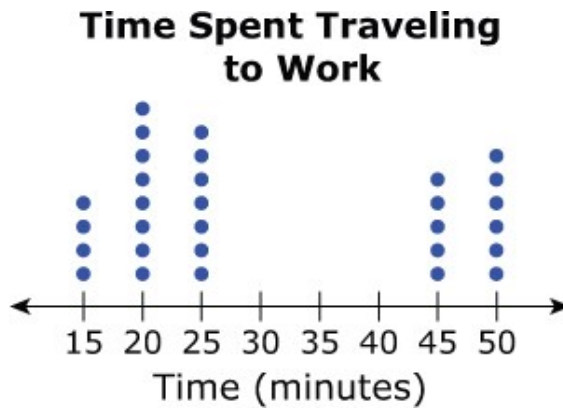
- A. mean
- B. median
- C. mode
- D. range

11. The data set below consists of the number of students in each of 5 science classes.

15, 15, 15, 15, 16

Which statement is **not** true?

- A. The mean is greater than the median.
 - B. The range is greater than the interquartile range.
 - C. The range is greater than the mean absolute deviation.
 - D. The mean absolute deviation is greater than the mean.
12. Marissa started a new job last month. At first it took her more than 30 minutes to drive to work, but then she found a shortcut. The graph shows how much time it took her to get to work each day last month, rounded to the nearest 5 minutes.



Which measure can Marissa use to determine how much more quickly she gets to work using the shortcut?

- A. mean
- B. median
- C. interquartile range
- D. mean absolute deviation