1. The table below shows the hourly pay for the employees of Riverview Community Bank.

Pay Schedule

Position	Hourly Pay
President	$185.00
Secretary	$21.00
Clerk #1	$14.25
Clerk #2	$9.75
Clerk #3	$8.25
Clerk #4	$8.25

Which statistic is most representative of the hourly pay of the employees?

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

2. Felicity's quiz scores in her mathematics class were:

80, 94, 91, 80, 97, 100, 99

Which measure of central tendency should Felicity use to best represent the data?
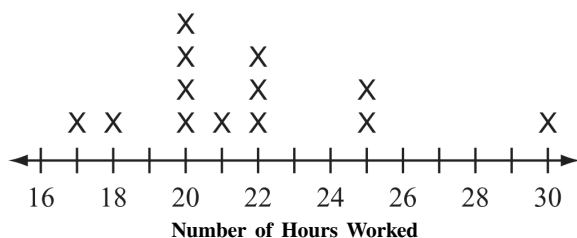
A. Mean　　　B. Mode　　　C. Range　　　D. Median

3. Brian recorded the temperature outside his house at noon each day for the past nine days. His results are listed below.

$15°C$　$16°C$　$16°C$　$19°C$　$20°C$　$23°C$　$24°C$　$24°C$　$25°C$

What is the **interquartile range** of the temperatures Brian recorded?

A. $4°C$　　　B. $5°C$　　　C. $8°C$　　　D. $10°C$

4. The line plot below shows the number of hours Travis worked each week during the summer.
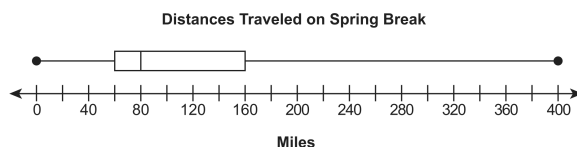

Number of Hours Worked

Based on the line plot, which of the following is true?

A. The mean of the data is 25.

B. The mode of the data is 22.

C. The range of the data is 14.

D. The median of the data is 21.

5. Enrique and his classmates recorded the distances, in miles, they each traveled for spring break. Their data is shown in the box-and-whisker plot below.

Distances Traveled on Spring Break

Miles

Which statement *must* be true?

A. The median distance traveled is 80 miles.

B. The median distance traveled is 200 miles.

C. The mean distance traveled is 80 miles.

D. The mean distance traveled is 200 miles.

6. The table below shows the numbers of days Mallory and her friends went skating last month.

Numbers of Days of Skating

Name	Number of Days
Angela	12
Chelsea	7
Latifa	11
Mallory	12

What are the mean and median for this set of data?

A. mean = 10.5; median = 11.5

B. mean = 10.5; median = 9

C. mean = 12; median = 11.5

D. mean = 12; median = 9

7. The table below shows the grades for three students on five assignments.

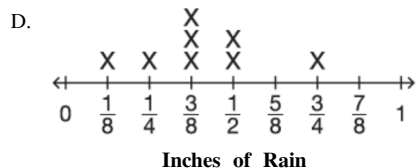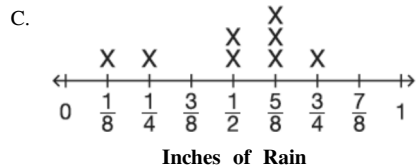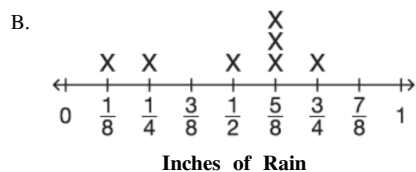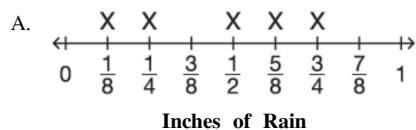| Student	Grades
1	77, 80, 100, 75, 82
2	84, 92, 80, 82, 85
3	88, 80, 79, 85, 90

Which statement below is true about the mean absolute deviation (MAD) of the students?

A. MAD of Student 3 = MAD of Student 1

B. MAD of Student 2 = MAD of Student 1
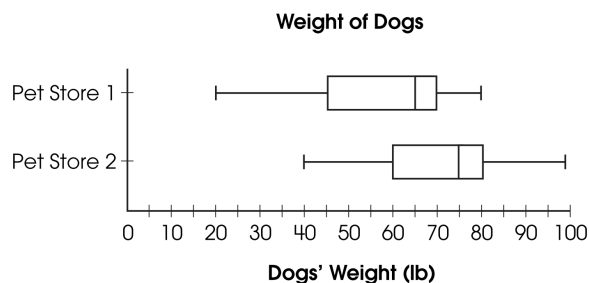
C. MAD of Student 1 < MAD of Student 3

D. MAD of Student 1 > MAD of Student 2

8. The table shows the amount of rainfall, in inches, for eight days in January.

January Rainfall

Day	1	2	3	4	5	6	7	8
Rain (inches)	$\frac{5}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{1}{4}$

Which line plot shows the January rainfall?

A.

Inches of Rain

B.

Inches of Rain

C.

Inches of Rain

D.

Inches of Rain

9. The box-and-whisker plots show the distribution of weight among dogs in two different pet stores.
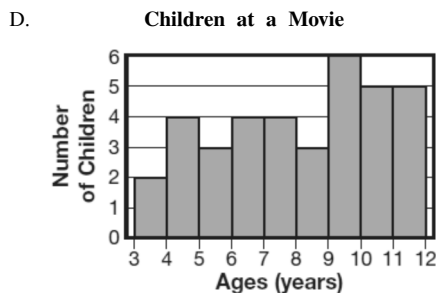
Weight of Dogs
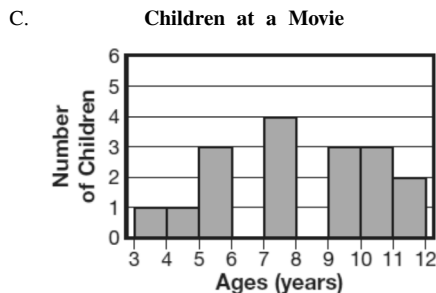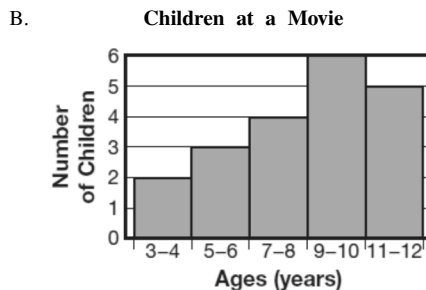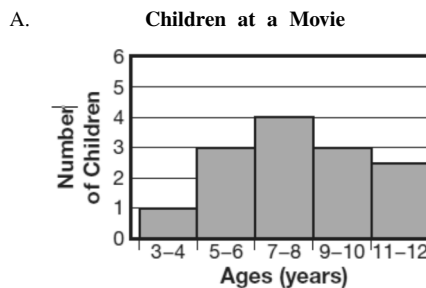

Dogs' Weight (lb)

How much greater is the median weight of the dogs in Pet Store 2 than in Pet Store 1?

A. 5   B. 10   C. 15   D. 20

10. The table shows the number of children, ages 3 to 12, who attended a movie.

Children at a Movie

Age (years)	3	4	5	6	7	8	9	10	11	12
Number of Children	1	1	3	0	4	0	3	3	2	3

Which histogram *best* represents the information in the table?

A.   **Children at a Movie**

B.   **Children at a Movie**

C.   **Children at a Movie**
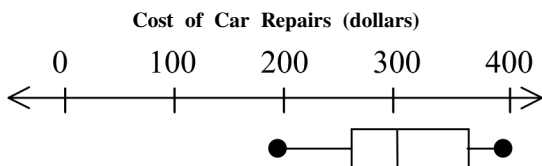

D.   **Children at a Movie**

11. The table below shows the number of students who participate in each sport at Bay View Middle School.

Sports Participation

Sport	Number of Students
football	39
volleyball	32
soccer	51
basketball	28
softball	25
baseball	21
track	17
swimming	20

Mrs. Ortiz wants to show the information in a bar graph. Which scale and interval would be the most reasonable for her to use for the number of students?

A. scale from 0 to 40 with an interval of 5

B. scale from 0 to 50 with an interval of 2

C. scale from 0 to 60 with an interval of 10

D. scale from 0 to 100 with an interval of 25

12. Aaron measured the heights of his plants. The heights, in inches, are shown below.

10, 11, 13, 15, 17, 18, 19, 20, 20, 23, 25, 27

What is the value of the lower quartile?

A. 14.0 inches   B. 18.5 inches

C. 21.5 inches   D. 20.0 inches

13. Scot was interested in buying a car and one of the considerations he had was the cost of car repairs for the vehicle in which he was interested. The cost of car repairs for a vehicle is shown in the box-and-whiskers graph below.
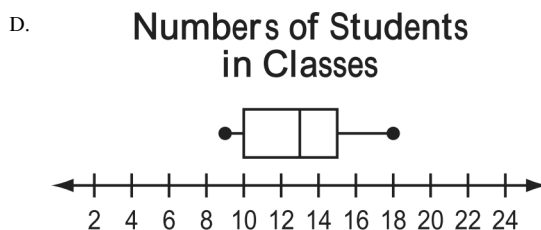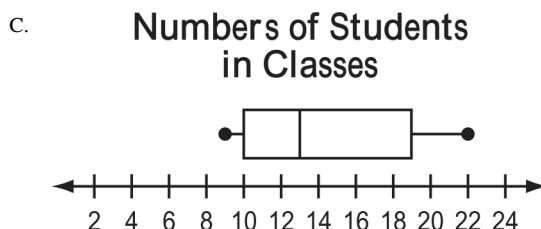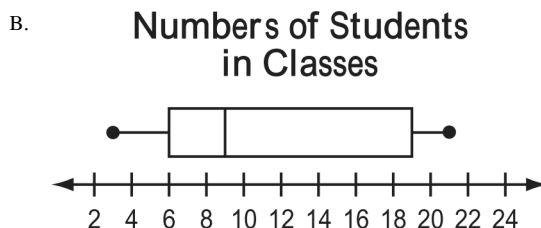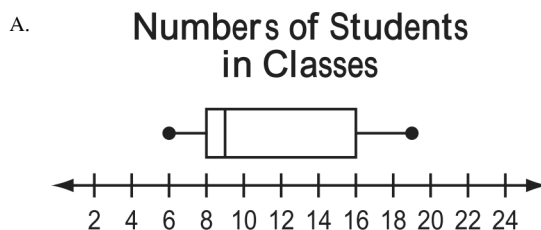
Cost of Car Repairs (dollars)

Car A

About what percent of the repairs of this vehicle cost more than $300?

A. 20%   B. 25%   C. 50%   D. 100%

14. A community center offers classes for students.

- The range of the number of students in each class is 13.
- The median number of students in each class is 9.

Which of the following box-and-whisker plots could represent the numbers of students in the classes?

A.

Numbers of Students in Classes

B.

Numbers of Students in Classes

C.

Numbers of Students in Classes

D.

Numbers of Students in Classes

15. Use the information below to answer the following question.

19   36   24   40   17   43   30   31   37   28   45
32   16

What are the first quartile, median, and third quartile of this data set?

A. 21.5, 31, 37

B. 21.5, 31, 38.5

C. 24, 31, 38.5

D. 24, 31, 37

16. Look at the data below.

2   3   3   7   11   11   16

What is the interquartile range of the data?

A. 7   B. 8   C. 11   D. 14