

TEST NAME: **4th Quarter CFA**  
TEST ID: **123821**  
GRADE: **06**  
SUBJECT: **Mathematics**  
TEST CATEGORY: **My Classroom**

Student: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1. Katie recorded the number of jumping jack exercises she did each day in the table below.

<b>Day</b>	<b>Number of Jumping Jack Exercises</b>
Monday	30
Tuesday	33
Wednesday	26
Thursday	33
Friday	18

What is the median number of jumping jack exercises?

- A. 30
  - B. 31
  - C. 34
2. Mr. Ray's math class earned these scores on a quiz.

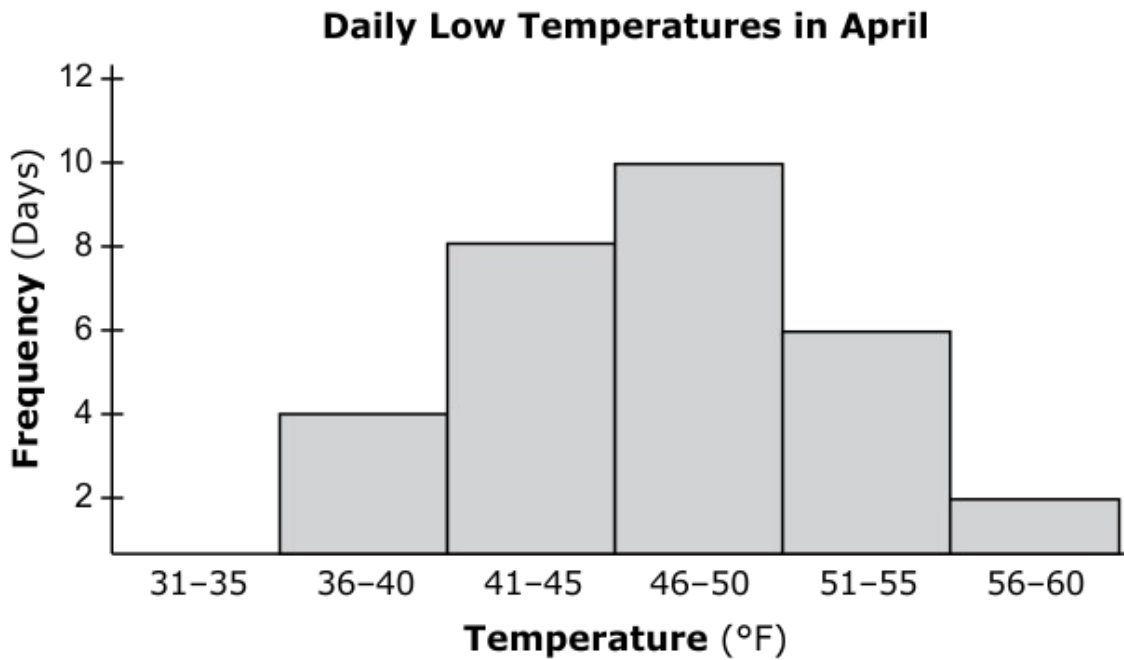
99, 98, 95, 95, 87, 87, 78, 73, 72, 70

If a box plot was created with this data, what are the upper and lower quartiles?

- A. 95 and 73
- B. 95 and 87
- C. 96 and 72
- D. 99 and 70

3. Christine's test scores are 86, 94, 88, 75, and 94. What does Christine need to score on the next test to have a median score of 90?
- A. 90
  - B. 92
  - C. 94
  - D. 100

4. The histogram below displays the daily low temperatures for the month of April.

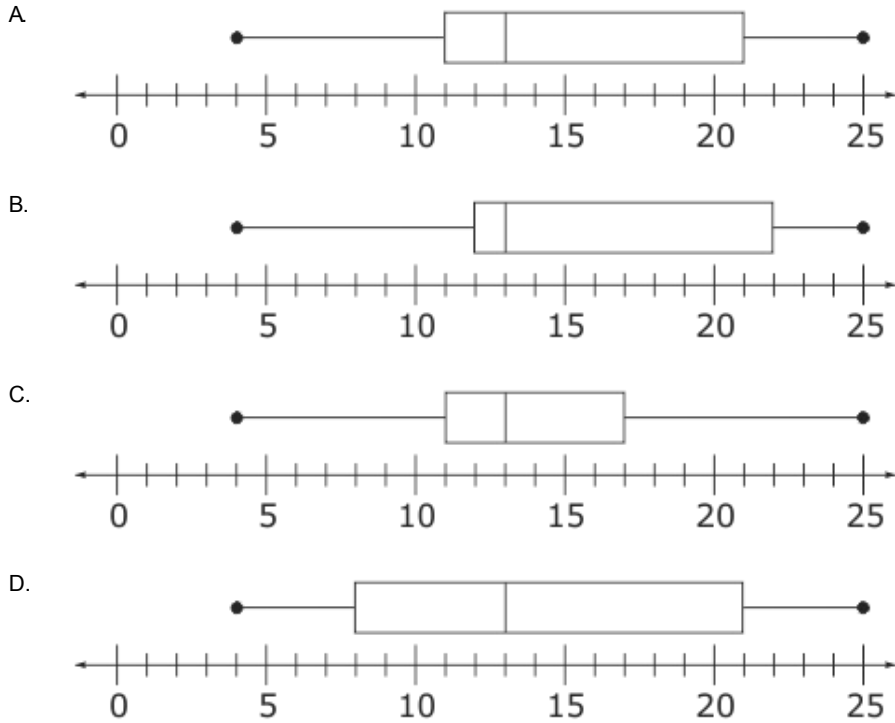


How many days was the temperature less than 46° in April?

- A. 18
- B. 12
- C. 10
- D. 8

5. Which box plot represents the data below?

21, 4, 11, 17, 13, 25, 12, 21, 13, 8, 11, 22



6. The heights of the basketball players, in inches, on a team are shown below.

78, 72, 75, 76, 79, 81, 75, 78, 80, 78, 70, 73

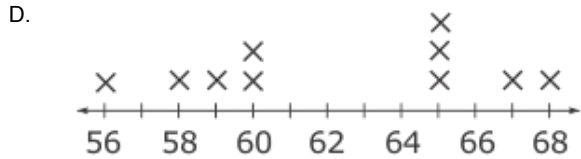
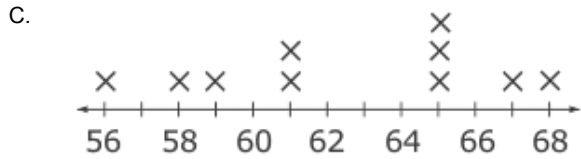
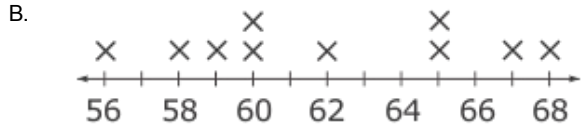
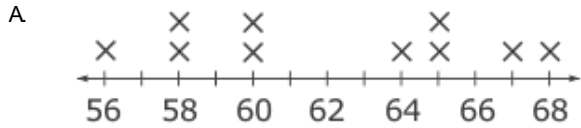
What is the median height of the players on the team?

- A. 76 inches
- B. 77 inches
- C. 78 inches
- D. 80 inches

7. The heights, in inches, of 10 students are listed below.

56, 65, 60, 59, 68, 65, 67, 65, 60, 58

Which line plot displays this data?



8. Jack counts the number of crackers in 8 boxes of crackers for an experiment. He records the data below.

{123, 125, 126, 130, 132, 134, 135, 135}

What is the median number of crackers in these boxes?

- A. 130
- B. 131
- C. 135

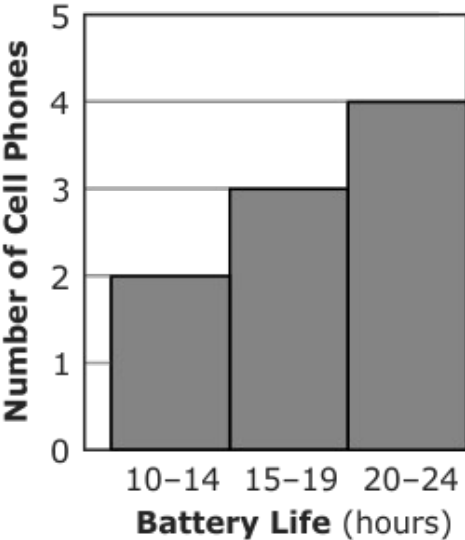
9. Ann is the owner of a local cell phone store. She recorded the battery life, in hours, of each customer's cell phone in the table below.

**Cell Phone Battery Life**

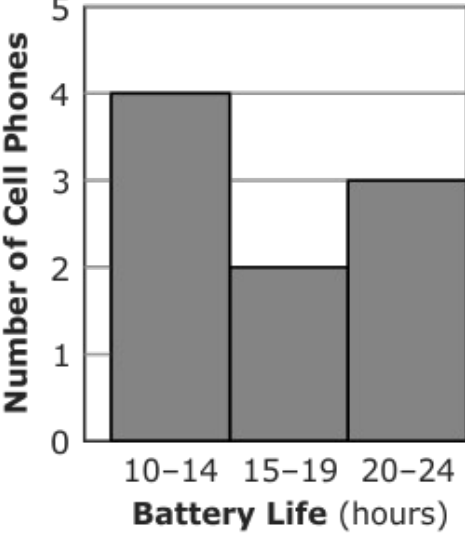
11	12	12
14	16	18
20	20	22

Which histogram **best** represents the data?

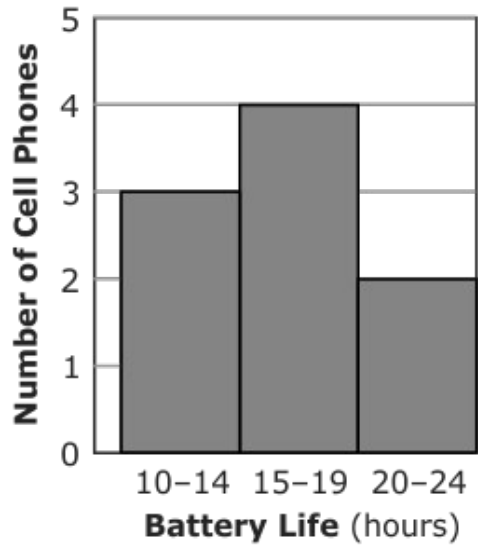
A



B.

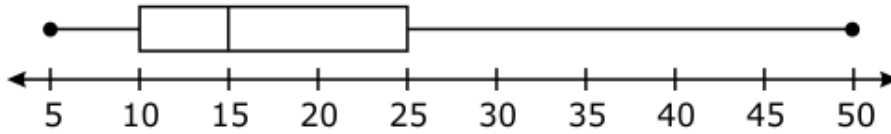


C.

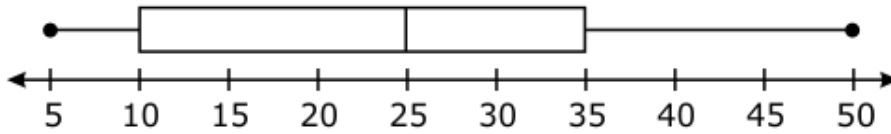


10. Which box plot has a median of 25, a lower quartile of 10, and a range of 45?

A.



B.



C.

11. Alex listed her math grades for the first nine weeks.

99, 55, 69, 72, 81, 94, 92, 77, 75, 79, 85, 81, 85, 81, 81

What is the lower quartile of Alex's data set?

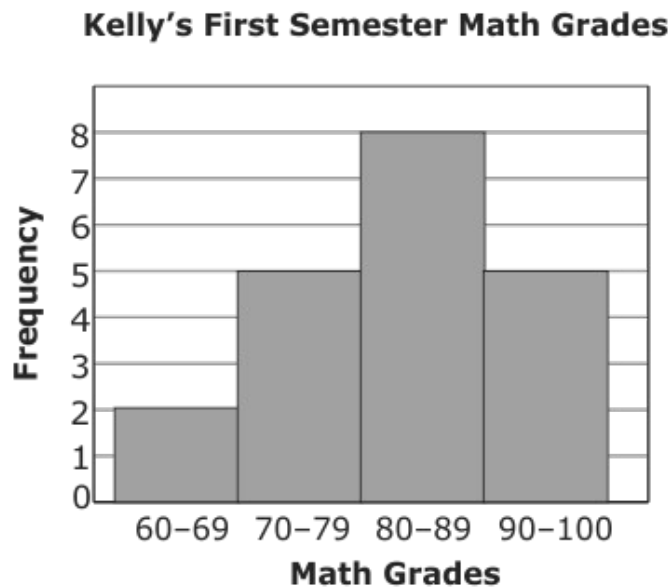
- A. 69
- B. 72
- C. 75
- D. 77

12. Bruce recorded the hourly pay of 10 employees at his store. The data is shown below.

$\{\$8.25, \$10.00, \$9.75, \$8.75, \$9.25, \$8.00, \$12.25, \$10.75, \$11.50, \$15.75\}$

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

- A. \$10.43  
B. \$4.89  
C. \$1.71
13. Kelly recorded her math grades from the first semester in the graph below.

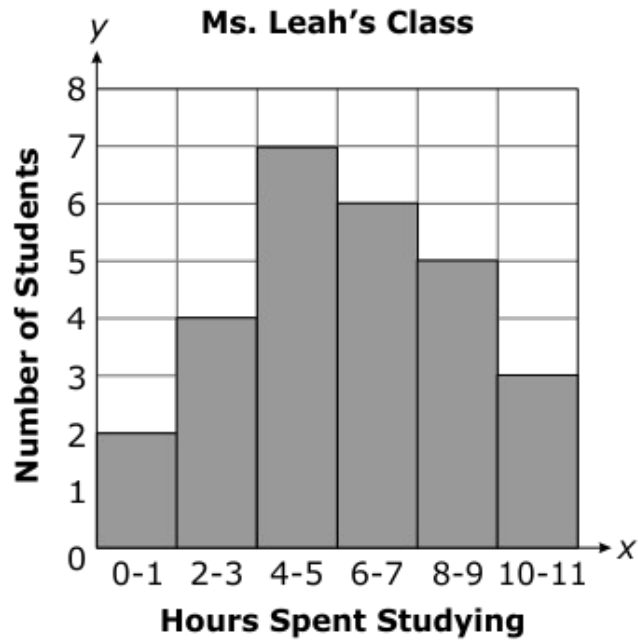


Based on the data, how many of her grades were lower than 80?

- A. 2  
B. 5  
C. 7  
D. 8



14. Ms. Leah asked her students how many hours they spend studying each week. She created the histogram below from the results.



How many students spent at least 8 hours per week studying?

- A. 5
- B. 6
- C. 8
- D. 14

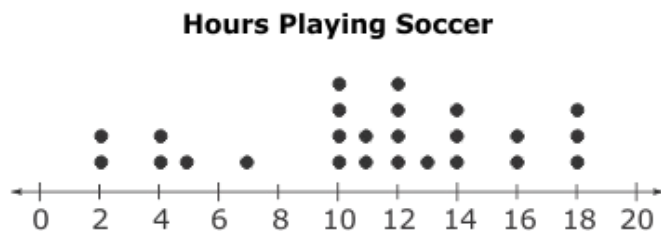
15. The table below shows the scores of 15 students on a standardized test.

<b>Student Scores</b>
578
571
540
556
527
512
543
536
527
516
491
519
512
520
494

Which statement is true?

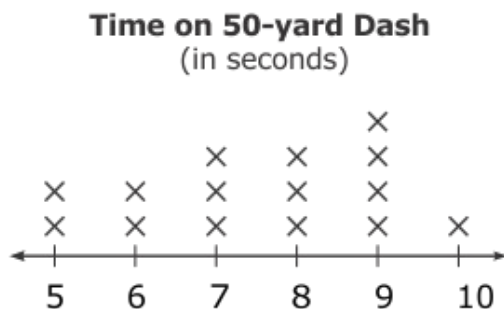
- A. 25% of the students scored lower than 527.
- B. 25% of the students scored higher than 527.
- C. 75% of the students scored lower than 543.
- D. 75% of the students scored higher than 543.

16. David asked the soccer players at his school the number of hours they each spent playing soccer last week. The results are shown in the dot plot below.



How many players spent more than 6 hours, but less than 15 hours, playing soccer?

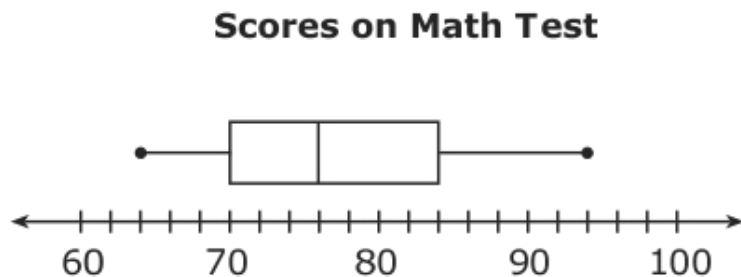
- A. 10
  - B. 14
  - C. 15
  - D. 20
17. A group of 6th grade students ran the 50-yard dash. Their times are shown in the line plot below.



What was the median time for the 50-yard dash?

- A. 6 seconds
- B. 7 seconds
- C. 8 seconds
- D. 9 seconds

18. The box plot below displays the scores of a math test.



What is the median score of this test?

- A. 70
  - B. 76
  - C. 84
  - D. 94
19. Charles reviewed the average rainfall for the past ten years in his town. The data is listed below.

35.1, 38.3, 45.2, 49.2, 49.3, 52.8, 53.6, 56.5, 58.1, 61.9

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

- A. 6.0
  - B. 6.6
  - C. 50.0
  - D. 51.1
20. A principal recorded the number of students that attended each football game for six games. Her data is shown below.

75, 102, 64, 62, 93, 50

What is the interquartile range of her data?

- A. 25
- B. 31
- C. 52

