

TEST NAME: **Statistics: Part 1**
TEST ID: **120418**
GRADE: **06 - Sixth Grade**
SUBJECT: **Mathematics**
TEST CATEGORY: **My Classroom**

Student: _____

Class: _____

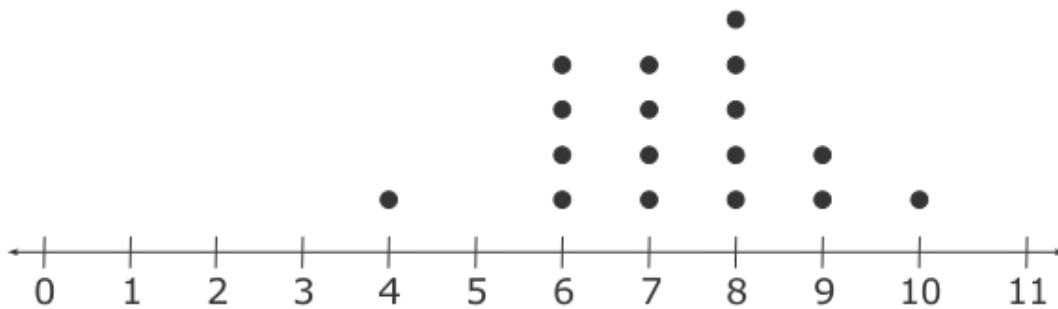
Date: _____

1. Seventeen college students were randomly selected to record the number of hours they slept each night for one month. The data represents the average for the month.

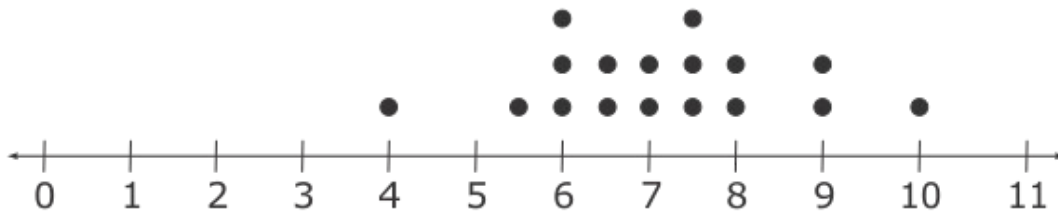
Hours Slept	7.5	6	6	5.5	7.5	10	8	9	4	6.5	7	6	8	7.5	9	7	6.5
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Which dot plot represents this data?

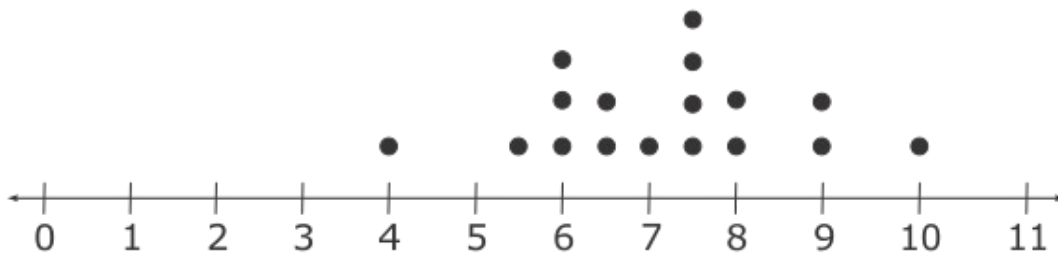
A.



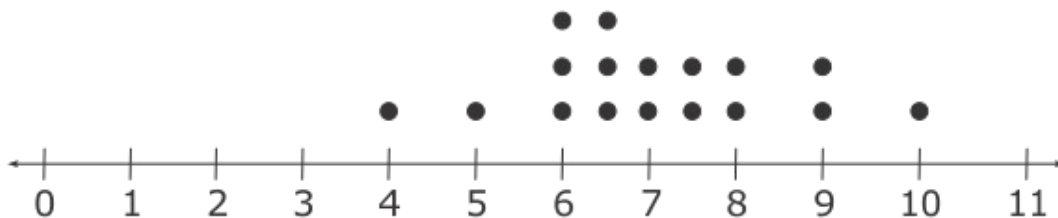
B.



C.



D.

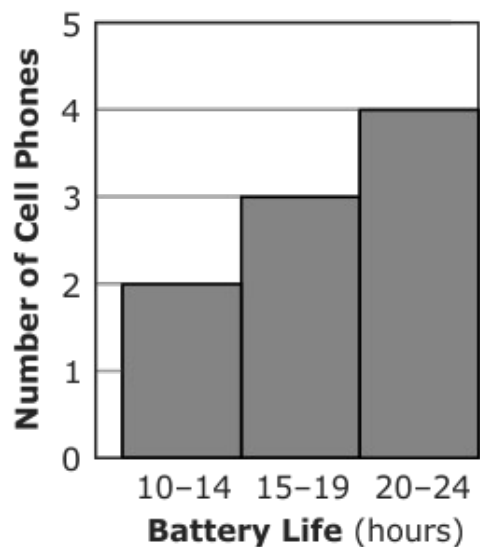


2. Ann is the owner of a local cell phone store. She recorded the battery life, in hours, of each customer's cell phone in the table below.

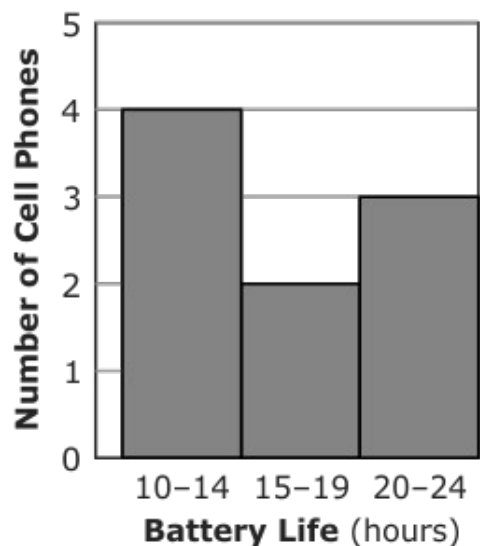
11	12	12
14	16	18
20	20	22

Which histogram *best* represents the data?

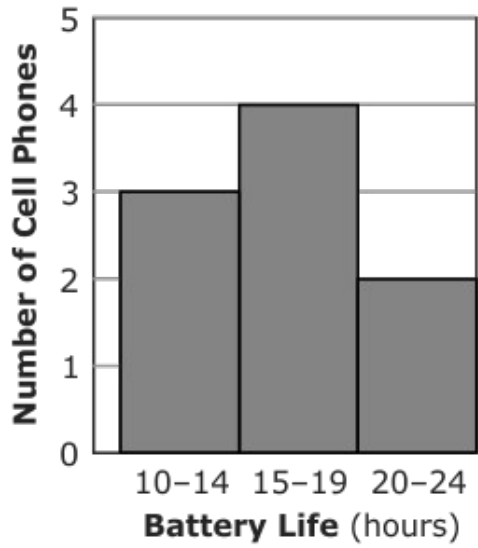
A.



B.



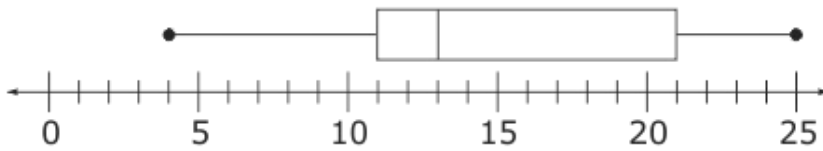
C.



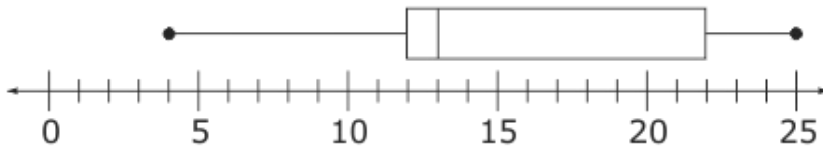
3. Which box plot represents the data below?

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

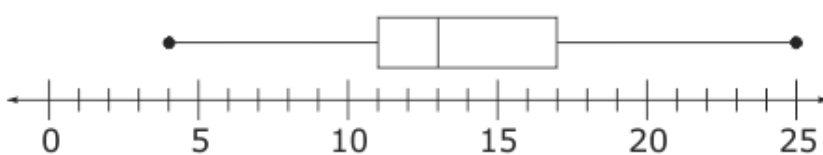
A.



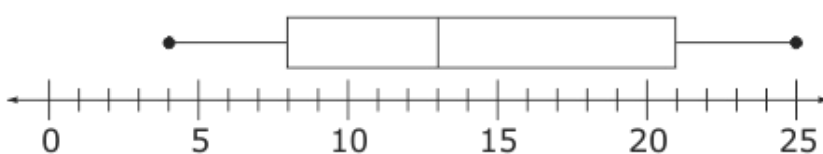
B.



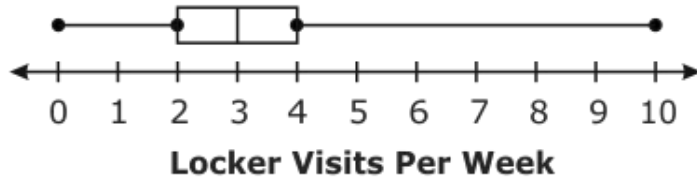
C.



D.

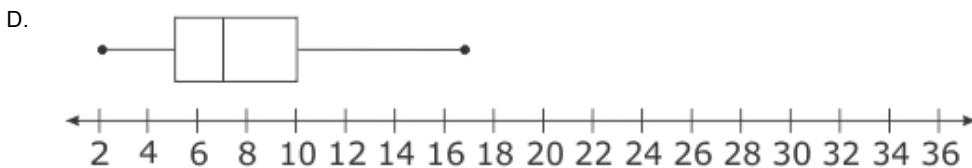
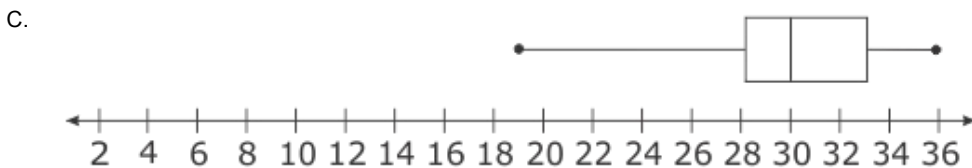
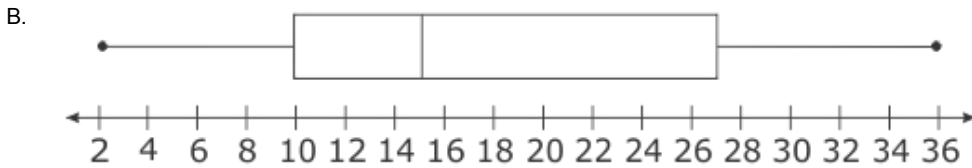
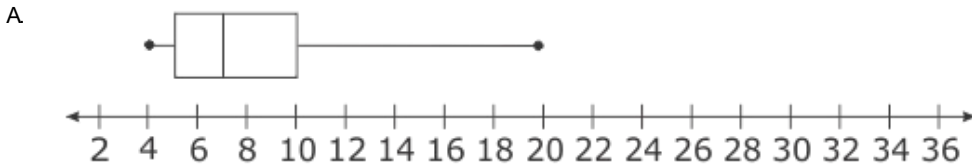


4. A teacher asks students the number of times they visit their locker in a week. She created the box plot below with the data.

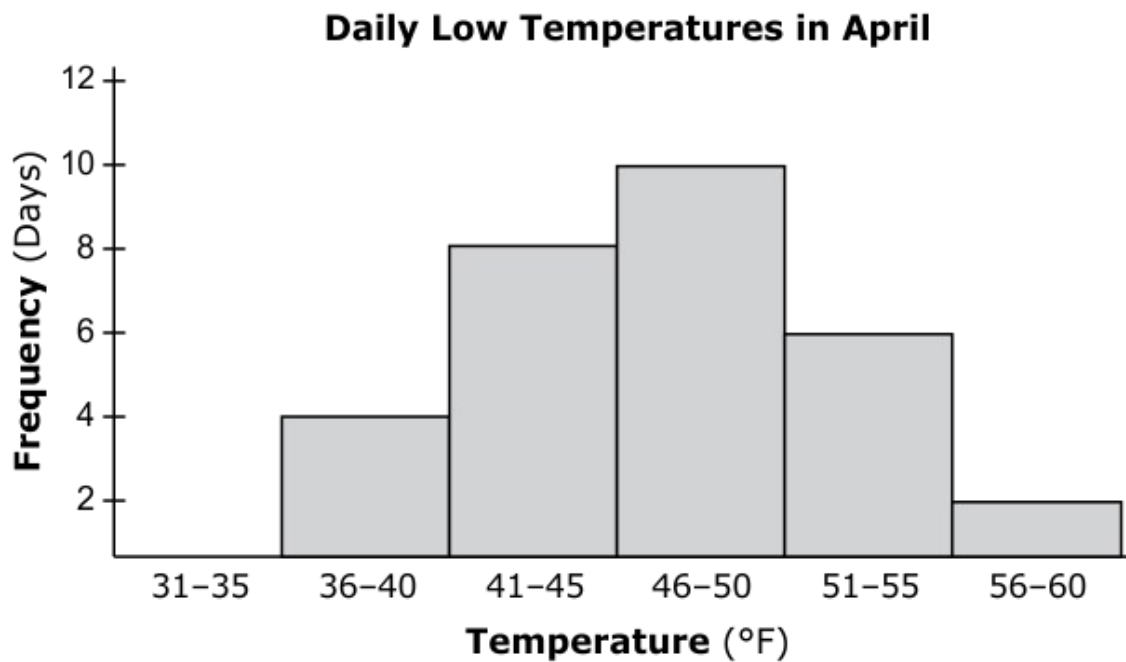


What is the upper quartile on the box plot?

- A. 3
 - B. 4
 - C. 10
5. Which box plot has a range of 17 and an interquartile range of 5?



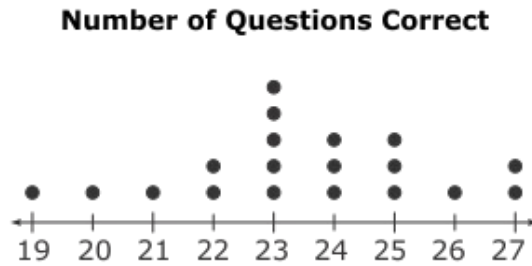
6. The histogram below displays the daily low temperatures for the month of April.



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

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

7. The dot plot below shows the number of questions each student answered correctly on the quiz.



If each question on the quiz was worth 3 points, how many students scored higher than 70?

- A. 3
 - B. 6
 - C. 9
 - D. 14
8. The data below shows the ages, in years, of 8 cars at a used car lot.

{7, 8, 10, 10, 12, 12, 14, 17}

What is the lower quartile for this data set?

- A. 9
- B. 10
- C. 11

9. The basketball coach recorded the number of three-point shots the team made during each game of the season.

{0, 1, 1, 2, 2, 2, 2, 3, 3, 3, 3, 4, 6, 7, 7}

Which dot plot represents the data?

A.



B.



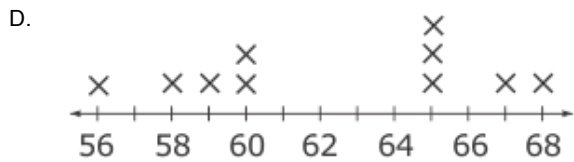
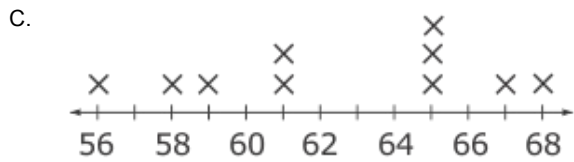
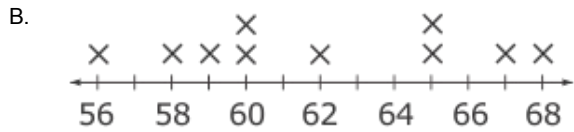
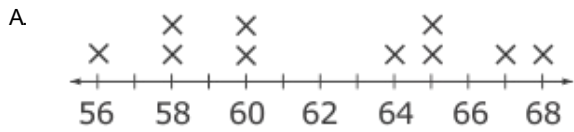
C.



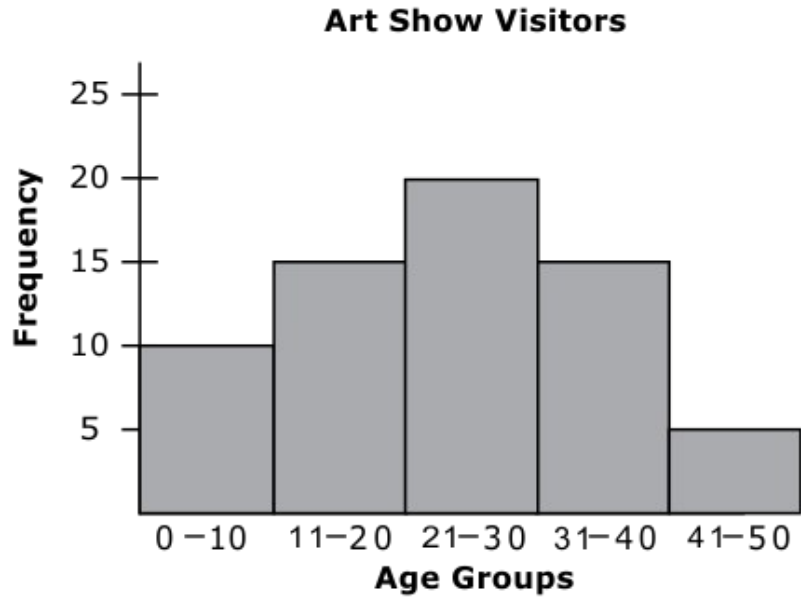
10. The heights, in inches, of 10 students are listed below.

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

Which line plot displays this data?



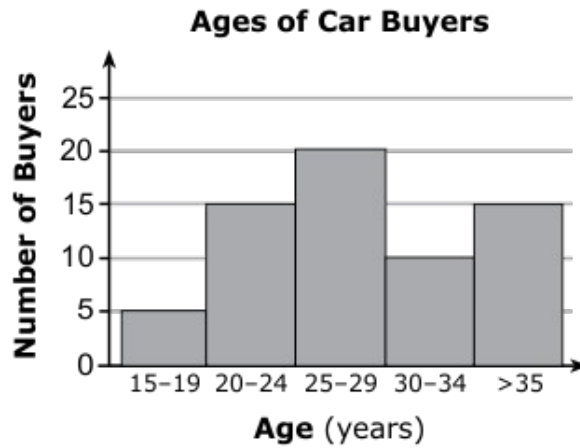
11. The histogram below displays the visitors, by age group, who attended an art show.



How many people attended in all?

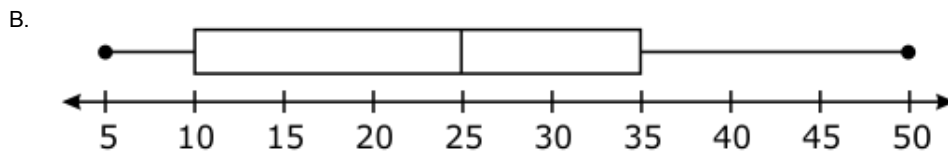
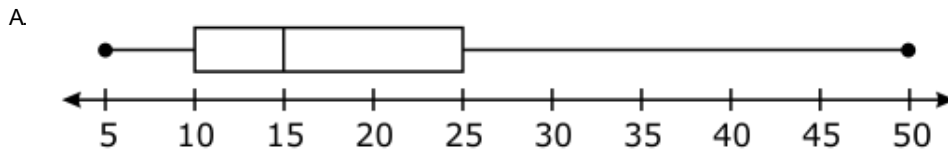
- A. 20
- B. 25
- C. 50
- D. 65

12. A car dealer recorded the ages of the people who bought cars in the histogram below.



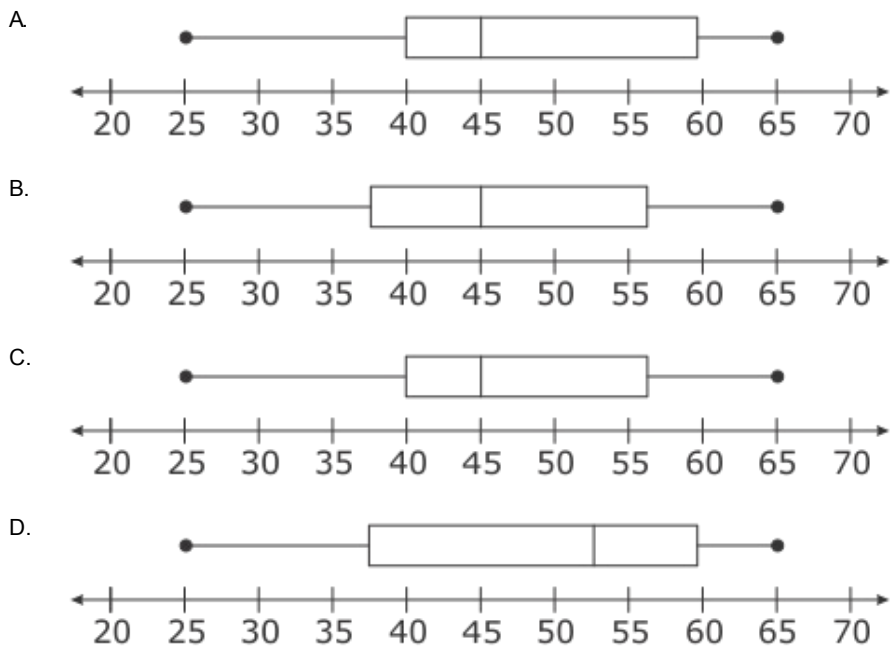
How many car buyers were older than 29?

- A. 10
 - B. 15
 - C. 20
 - D. 25
13. Which box plot has a median of 25, a lower quartile of 10, and a range of 45?

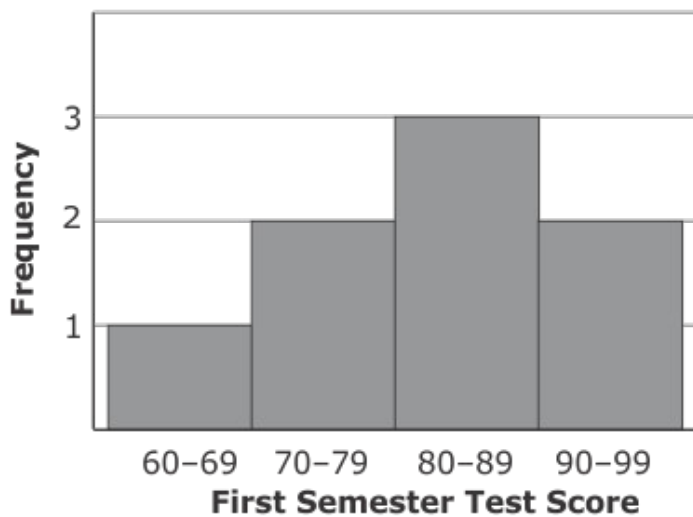


C.

14. Which box plot has a median of 45, a lower quartile of 40, an upper quartile of 57, and a range of 40?



15. A teacher created a histogram with 8 of her student's grades.



Which set of data is represented by the histogram?

- A. 65, 65, 75, 75, 75, 80, 95, 99
- B. 65, 69, 70, 79, 80, 89, 90, 99
- C. 65, 70, 79, 80, 80, 90, 91, 93
- D. 65, 70, 71, 80, 80, 80, 95, 99

