

TEST NAME: **NAMSIM11314S-ID.1**  
TEST ID: **130066**  
GRADE: **09**  
SUBJECT: **Mathematics**  
TEST CATEGORY: **My Classroom**

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

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

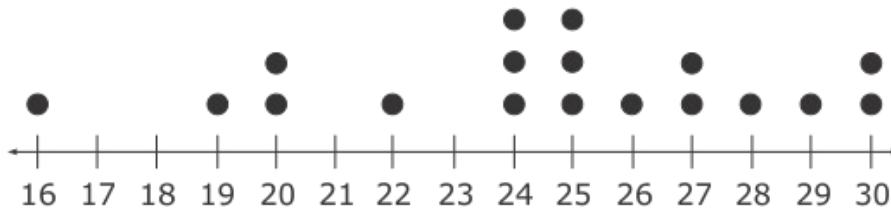
Date: \_\_\_\_\_

1. The data shows the approximate time it takes several students to run 3 miles.

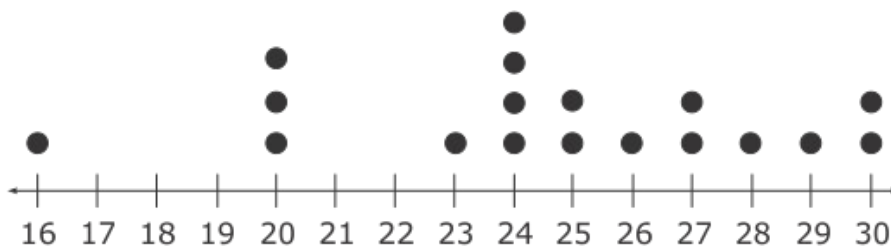
24, 20, 30, 25, 27, 26, 25, 20, 30, 24, 23, 29, 16, 24, 19, 25, 28, 27

Which dot plot represents these data?

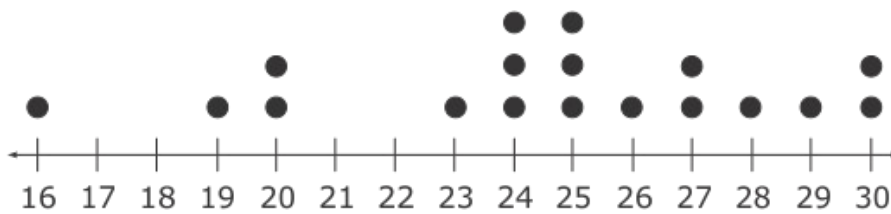
A.



B.



C.

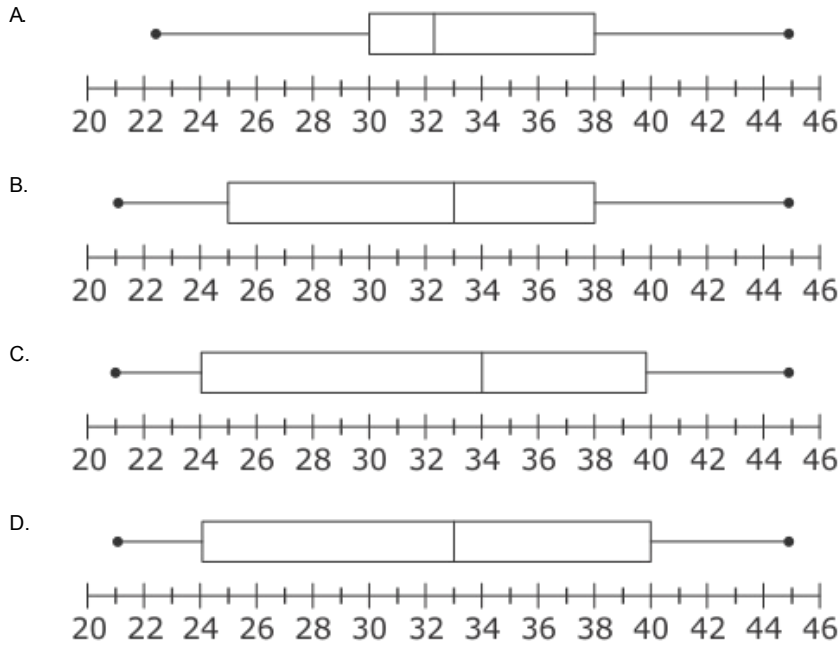


D.

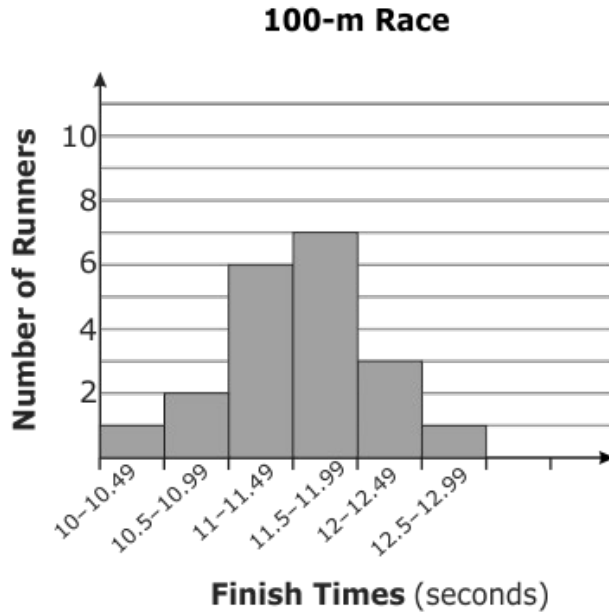


2. Which box plot represents the data set below?

22, 34, 25, 32, 41, 21, 23, 36, 37, 30, 38, 44, 32, 45



3. The graph displays the time (in seconds) that several students ran a 100-m race.



What percentage of students finished with a time less than 12 seconds?

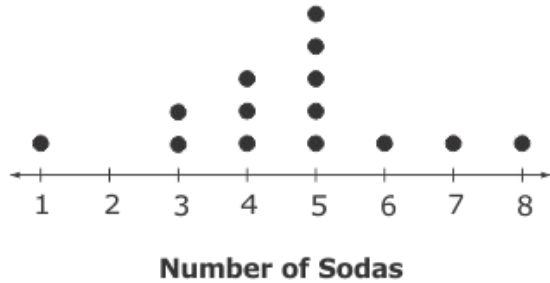
- A. 16%
- B. 35%
- C. 65%
- D. 80%

4. A group of teachers recorded the number of sodas they drank during one week.

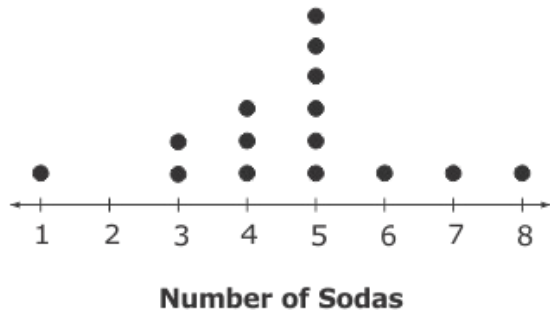
5, 5, 1, 8, 7, 5, 6, 4, 3, 4, 3, 5, 5, 4, 5

Which dot plot represents the data?

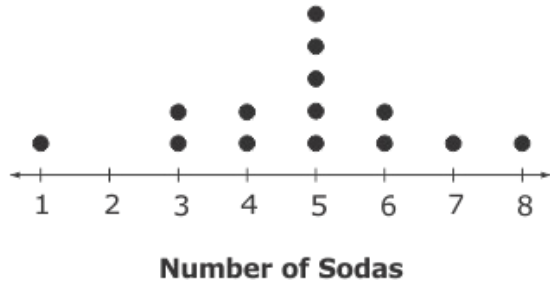
A.



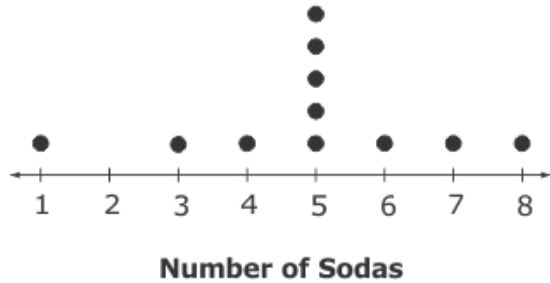
B.



C.



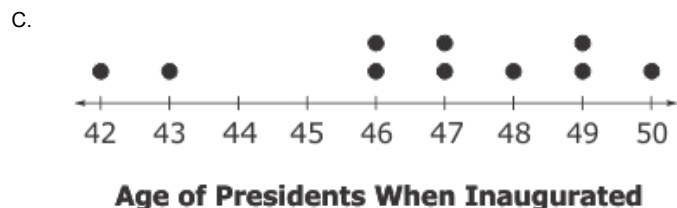
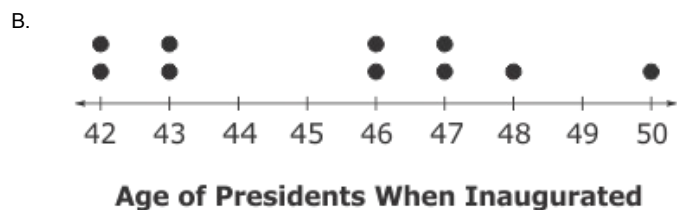
D.



5. The numbers listed below are the ages of 10 different presidents at the time they were inaugurated.

42, 43, 46, 46, 47, 47, 49, 49, 48, 50

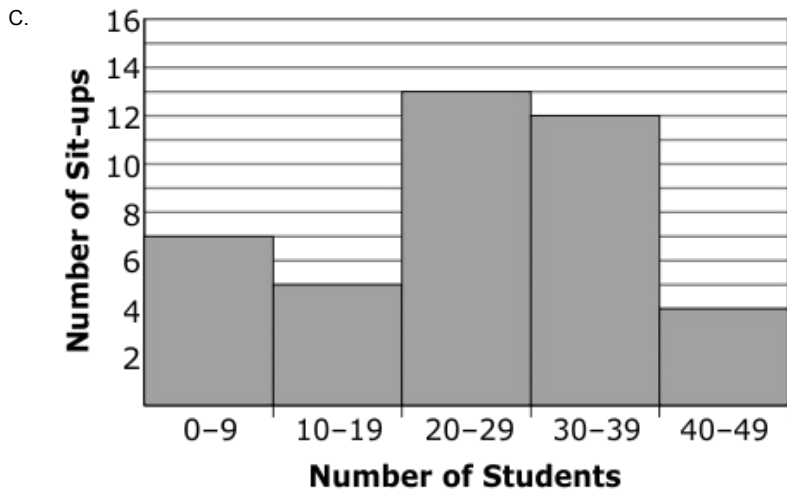
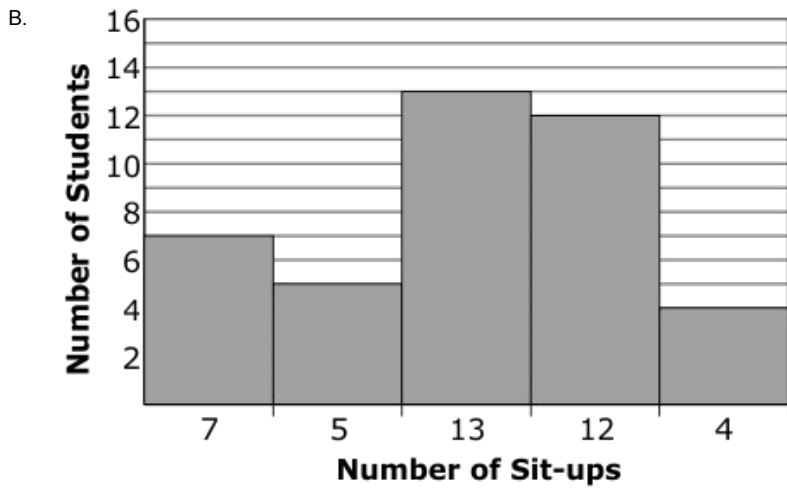
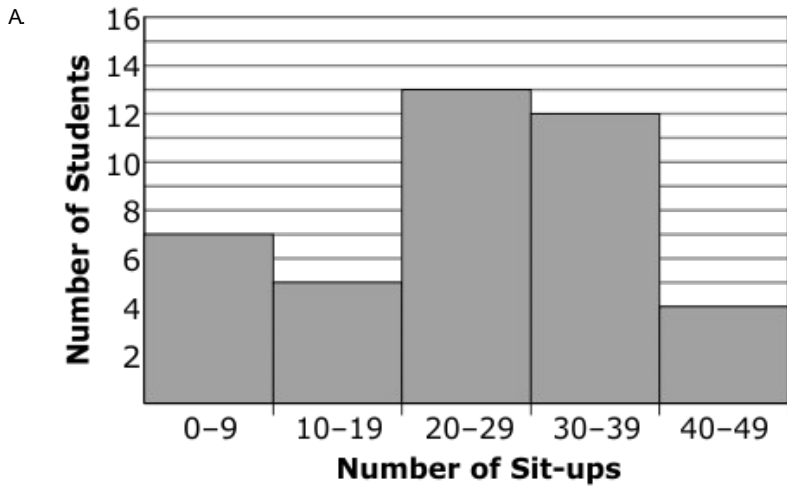
Which dot plot represents the data?



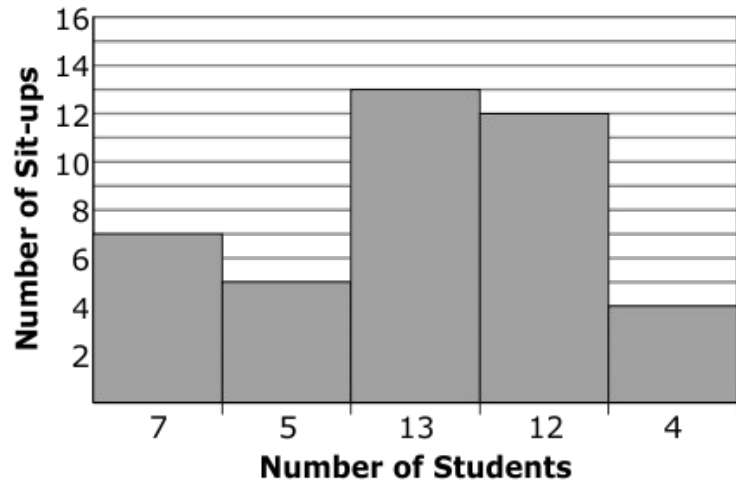
6. In a gym class, each student counted how many sit-ups he could do in one minute. The frequency data are shown in the table below. The class has 41 students.

Number of Sit-Ups	0 – 9	10 – 19	20 – 29	30 – 39	40 – 49
Number of Students	7	5	13	12	4

Which histogram correctly displays the frequency data from the table?



D.



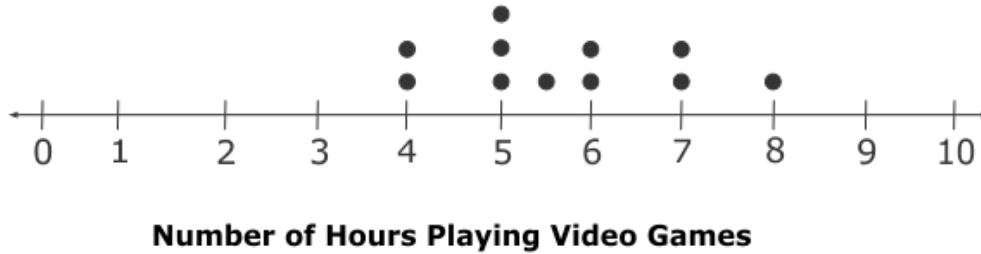


7. The data listed gives the number of hours several students spend playing video games in one week.

7, 4, 7, 5, 6, 8, 5, 5, 5.5, 4, 6

Which dot plot represents the data?

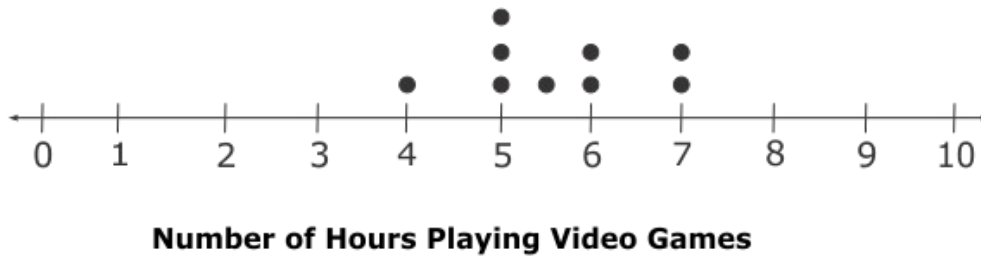
A.



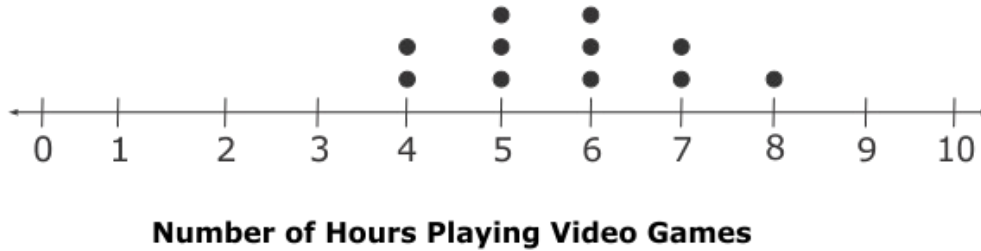
B.



C.



D.

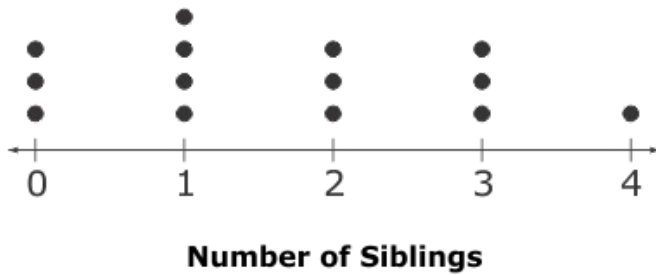


8. The number of siblings that each student in a class has is listed.

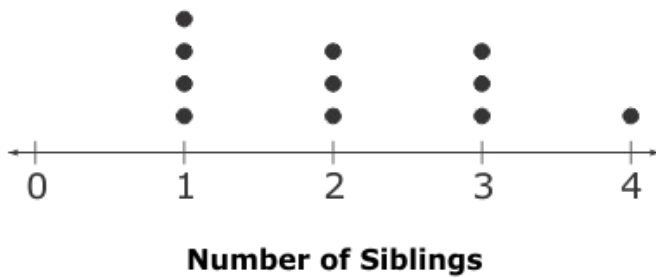
3, 1, 1, 0, 2, 2, 3, 4, 1, 3, 2, 1, 0, 0

Which dot plot displays this data?

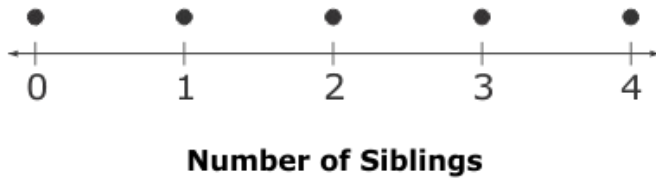
A.



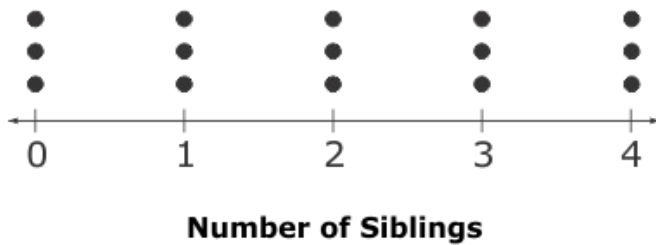
B.



C.



D.

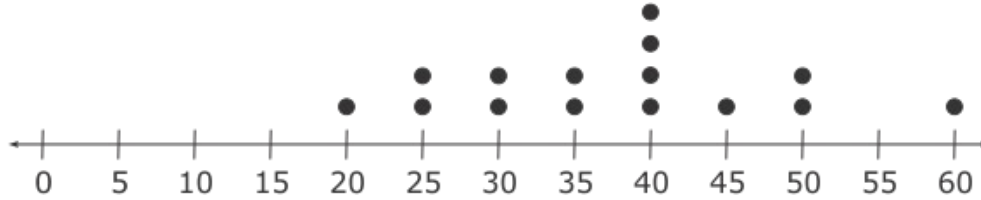


9. The data lists the number of minutes it took several students to complete a test.

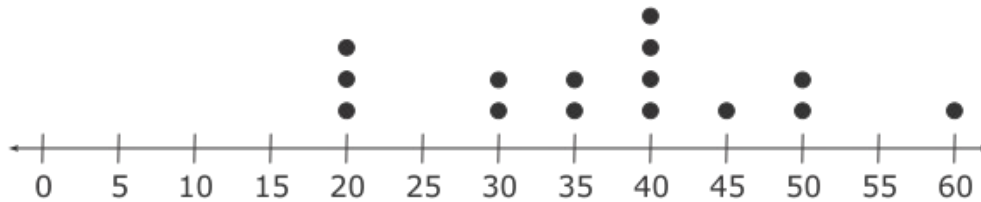
35, 50, 25, 20, 35, 40, 25, 30, 30, 60, 45, 40, 40, 40, 50

Which dot plot represents these data?

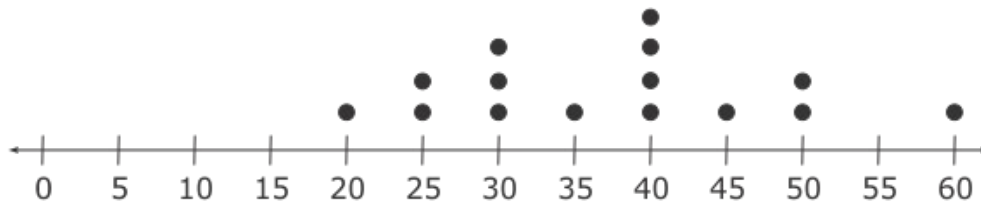
A.



B.



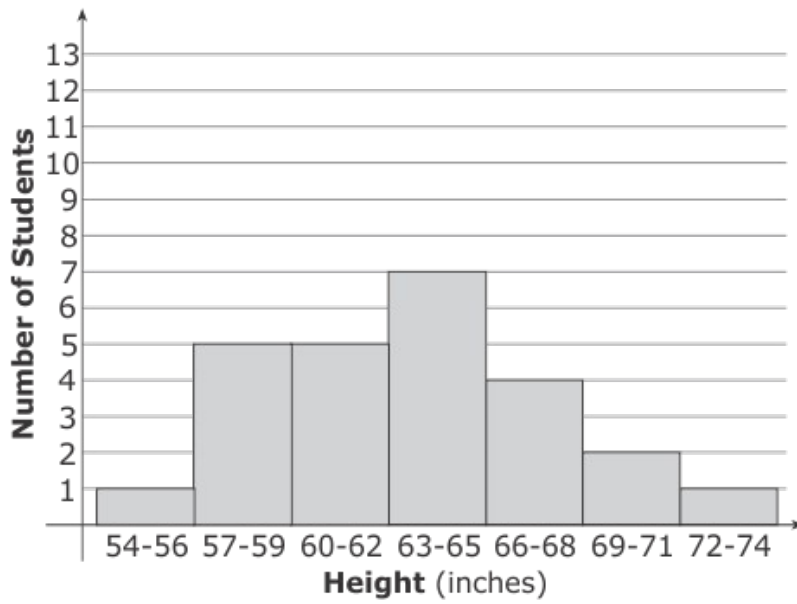
C.



D.



10. The histogram displays the heights of several students at a school.



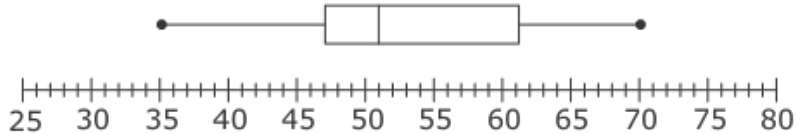
Based on the graph, how many students are 65 inches or shorter?

- A. 11
- B. 16
- C. 18
- D. 21

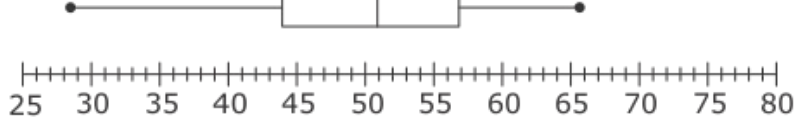
11. Which box plot represents the data set shown below?

{35, 47, 52, 66, 57, 28, 44, 50, 51, 51, 70, 61}

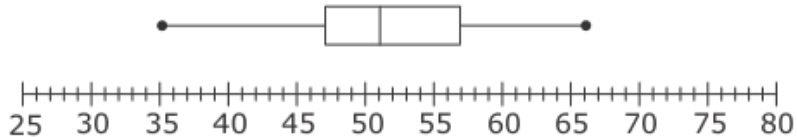
A.



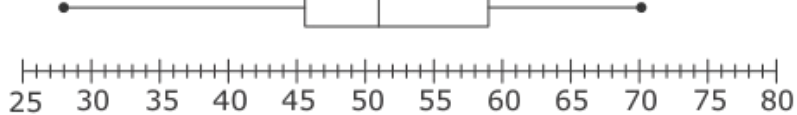
B.



C.



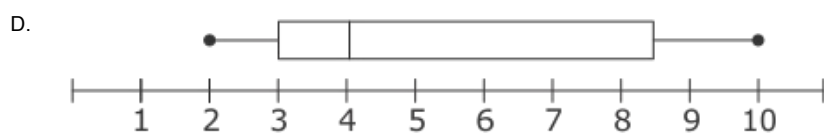
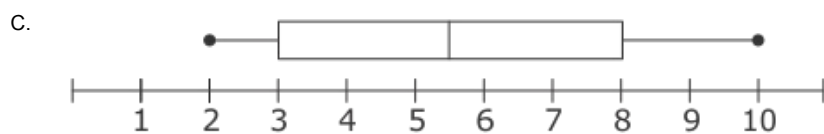
D.



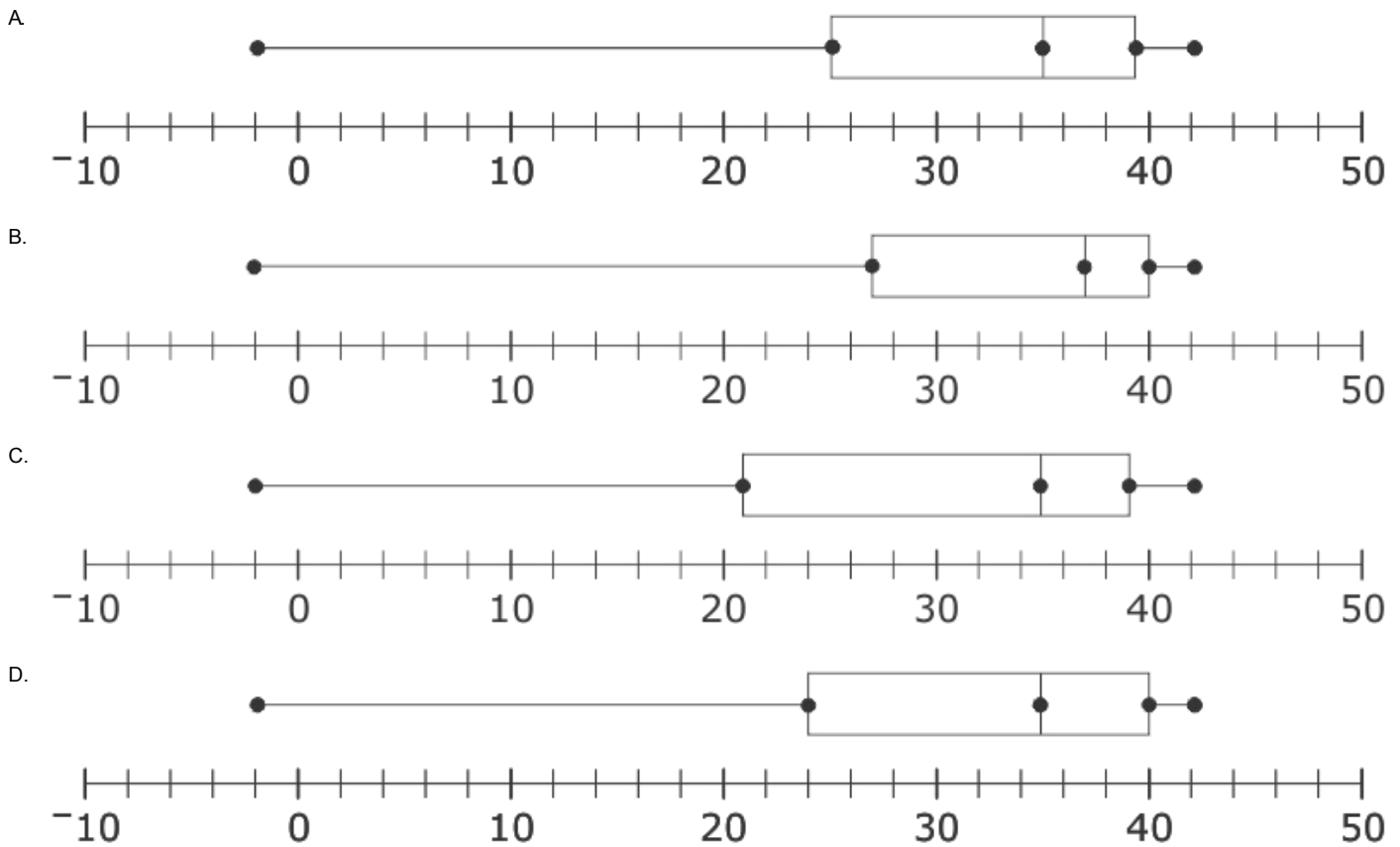
12. The data set below shows the number of rooms that were not occupied at a hotel each day during a week.

2, 3, 4, 4, 7, 8, 10

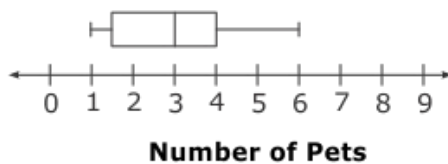
Which box plot represents the data?



13. Which box plot **best** represents the temperatures 33, 41, 27, 42, 21, 39, 37, -2?



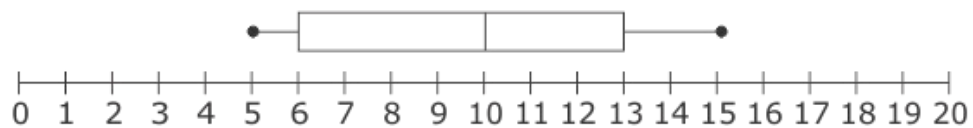
14. The box plot below represents the number of pets 9 different families own.



Which set of data could represent the number of pets these families own?

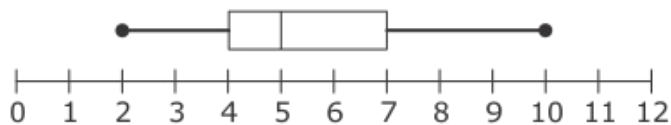
- A. {1, 1, 1, 2, 3, 4, 4, 4, 5}
- B. {1, 1, 2, 3, 3, 4, 4, 4, 6}
- C. {1, 1, 1, 2, 4, 4, 4, 4, 6}
- D. {2, 2, 3, 3, 4, 4, 4, 4, 6}

15. Which set of data is displayed in the box plot shown below?



- A. 5, 15, 6, 12, 12, 6, 10, 8
- B. 11, 14, 5, 7, 5, 9, 12, 15
- C. 15, 10, 6, 8, 5, 8, 10, 12
- D. 5, 8, 8, 5, 15, 12, 14, 12

16. Which set of data is displayed in the box plot shown below?



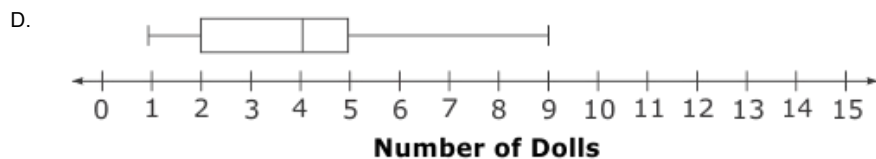
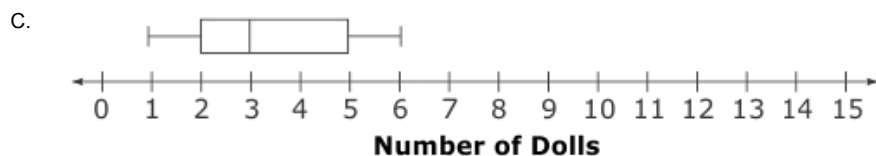
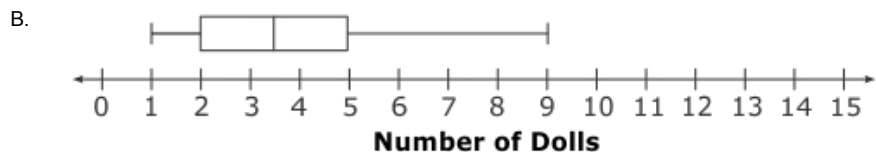
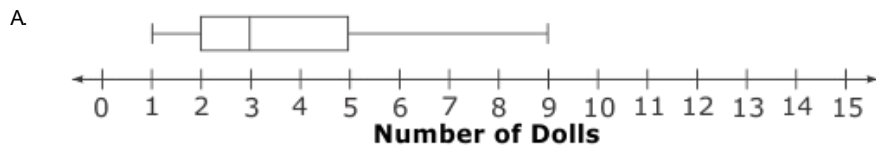
- A. 2, 3, 4, 5, 5, 6, 7, 7, 8, 10
- B. 2, 2, 3, 4, 4, 4, 5, 6, 8, 10
- C. 2, 3, 4, 5, 5, 6, 6, 6, 9, 10
- D. 2, 2, 4, 4, 5, 5, 7, 7, 8, 10



17. The data set below shows the number of dolls that 11 different children own.

$\{1, 5, 3, 4, 9, 6, 2, 3, 3, 5, 2\}$

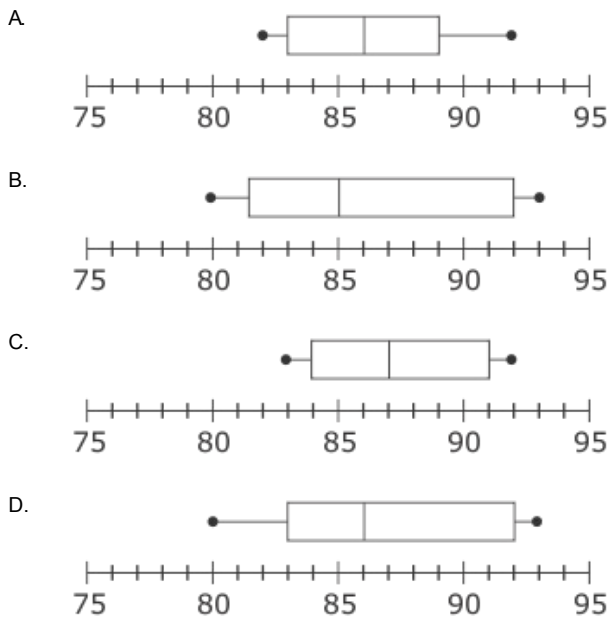
Which box plot represents the data set?



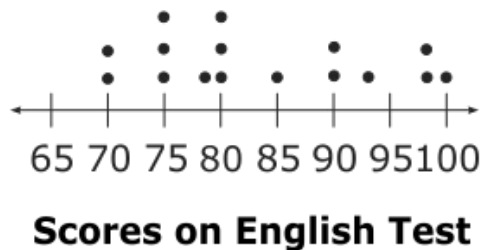
18. The ages of 11 senior citizens taking an art class are shown below.

{86, 92, 86, 80, 83, 80, 93, 92, 93, 84, 83}

Which box plot represents the ages of the senior citizens?



19. The graph displays the test scores in an English class.



What percent of the students scored higher than 90 on the test?

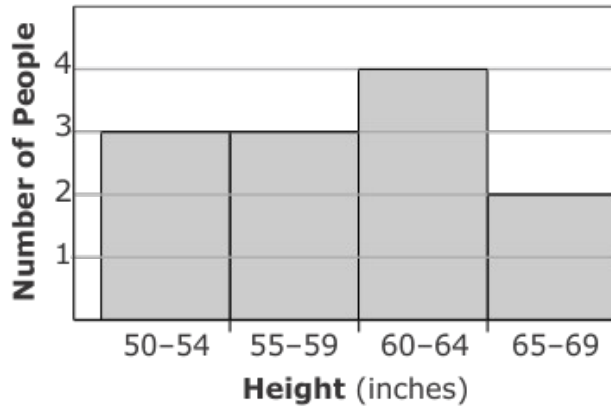
- A. 19%
- B. 25%
- C. 33%
- D. 38%

20. The heights of several students, in inches, are given below.

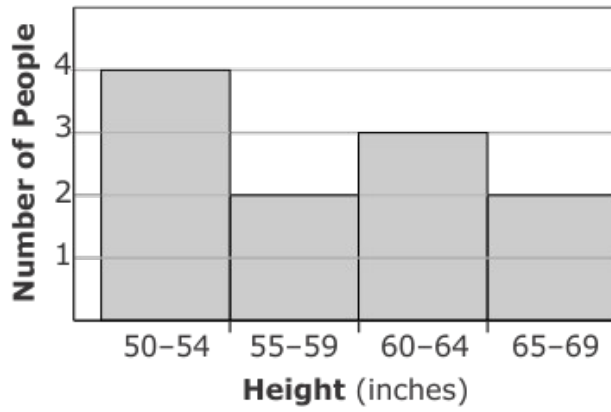
50, 52, 54, 56, 57, 60, 61, 64, 65, 67

Which histogram correctly displays this data?

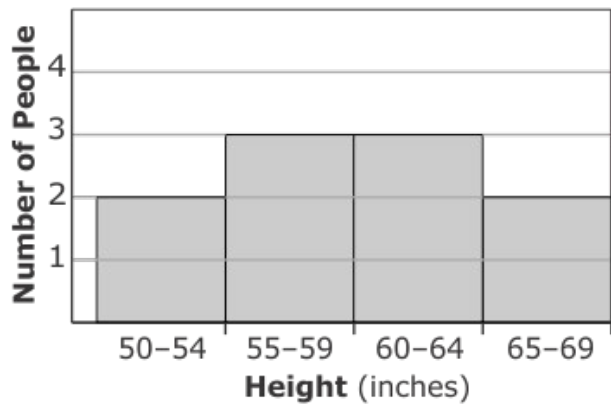
A.



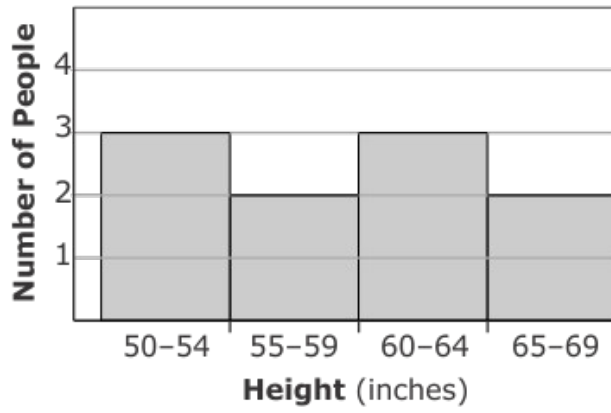
B.



C.



D.



21. Mrs. Jones surveyed the class for the number of letters in their given first name. The data is recorded below.

$\{5, 8, 6, 5, 4, 9, 8, 7, 6, 3, 8, 7, 5, 6, 7, 8\}$

What is the interquartile range of the data?

- A. 2
- B. 3
- C. 7
- D. 8