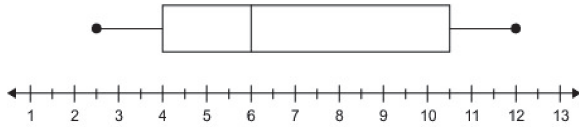


Name: \_\_\_\_\_

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

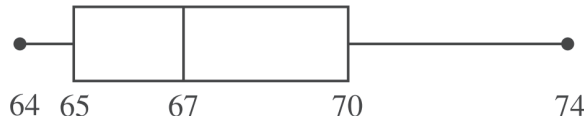
1. A box-and-whisker plot is shown.

Identify the median, minimum, maximum, first quartile, and third quartile of the data set. Move the labels to the correct places on the box-and-whisker plot.



2. The box-and-whisker plot shown below represents the heights, in inches, of the members of the Central High School girls' basketball team.

**Girls' Heights in Inches**



What is the median height of the members of the team?

- A. 67 inches B. 68 inches C. 69 inches D. 70 inches
3. Jeff recorded his bowling scores for 8 games.  
104, 122, 142, 136, 155, 138, 142, 95  
What is the median of Jeff's scores?  
A. 60 B. 137 C. 140 D. 142
4. Tim's scores in math class for the last semester are listed below. Find the mean, median and mode of his scores.

85 70 52 90 85 78 78 77 85 84

Mean: \_\_\_\_\_ Median: \_\_\_\_\_  
Mode: \_\_\_\_\_

Determine which measure of central tendency best describes Tim's performance in math last semester and justify your reasoning.

5. What is the difference between the largest height and the smallest height?

Student Heights	
Student	Height (in inches)
Sara	44
James	42
Su Lin	49
Randy	46
Cara	50

- A. 8 inches B. 12 inches C. 42 inches D. 50 inches

6. Jeremiah is on the Eagles bowling team. His scores for the last 12 games are shown below.

90, 103, 110, 95, 105, 110, 90, 112, 110, 96, 94, 110
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What is the mode of the scores?

- A. 90 B. 102 C. 104 D. 110
7. The table shows at what speeds 4 drivers were traveling.

Driver	Speed
Karen	65.3 mph
Pat	72.2 mph
Rose	58.1 mph
Brennan	55.2 mph

What is the *mean* speed for these four drivers?

8. Cynthia gathered temperature data for her social studies report. In the table below, she listed the normal daily maximum temperatures for January in several different cities.

**Normal Daily Maximum Temperatures for January**

City	Temperature (°F)
Albany, NY	31.1
Boston, MA	36.5
Bridgeport, CT	36.9
Buffalo, NY	31.1
Burlington, VT	26.7
Concord, NH	30.6
Harrisburg, PA	37.5
Hartford, CT	34.1
Newark, NJ	38.1
Worcester, MA	31.4

What is the range of the normal daily maximum temperatures listed in the table?

- A. 0.3      B. 11.4      C. 31.1      D. 32.8

9. 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

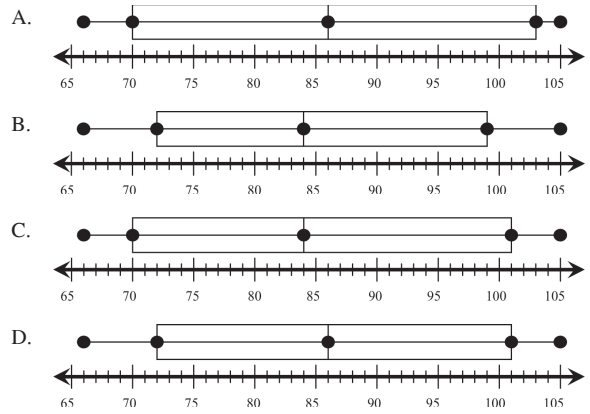
What are the mean and median for this set of data?

- A. mean = 10.5; median = 11.5  
 B. mean = 10.5; median = 9  
 C. mean = 12; median = 11.5  
 D. mean = 12; median = 9

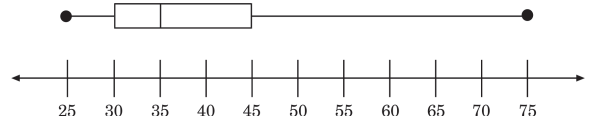
10. The following is an ordered list of monthly normal high temperatures for Phoenix, AZ.

66, 66, 70, 74, 75, 84, 88, 93, 99, 103, 103, 105

Which box-and-whisker plot best displays the data?



11. What is the inter-quartile range for the set of data?



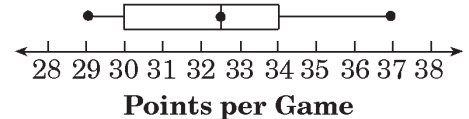
- A. 15      B. 30      C. 45

12. Scoring leaders in the NBA for 1986–1995 had these averages:

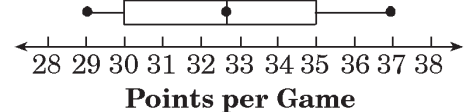
30, 37, 35, 33, 34, 32, 30, 33, 30, 29

Which box plot accurately illustrates these averages?

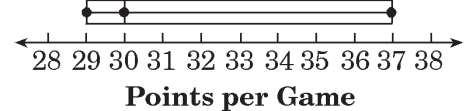
- A. **NBA Top Scoring Averages (1986-1995)**



- B. **NBA Top Scoring Averages (1986-1995)**



- C. **NBA Top Scoring Averages (1986-1995)**



- D. **NBA Top Scoring Averages (1986-1995)**

