Problem Solving
Variability

Write the correct answer.

1. Find the median of the data.

_____

2. Find the first and third quartiles of the data.

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3. Make a box-and-whisker plot of the data.
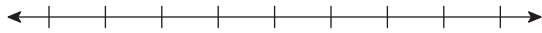
Super Bowl Point Differences

Year	Point Difference
2001	27
2000	7
1999	15
1998	7
1997	14
1996	10
1995	23
1994	17
1993	35
1992	13

The box-and-whisker plots compare the highest recorded Fahrenheit temperatures on the seven continents with the lowest recorded temperatures. Choose the letter for the best answer.

4. Which statement is true?

A The median of the high temperatures is less than the median of the low temperatures.

B The range of low temperatures is greater than the range of high temperatures.

C The range of the middle half of the data is greater for the high temperatures.

D The median of the high temperatures is 49 F.
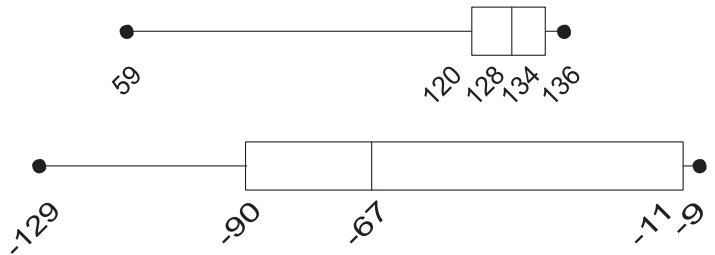
5. What is the median of the high temperatures?

F 128 F **H** 67 F

G 120 F **J** 90 F

6. What is the range of the low temperatures?

A 77 F **C** 120 F

B 79 F **D** 129 F

Holt Mathematics