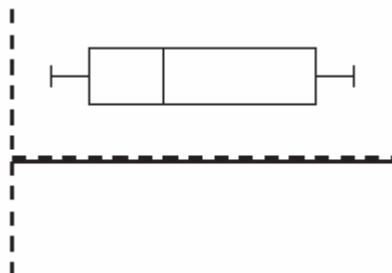


NAME: _____

1. 060220a

The accompanying diagram is an example of which type of graph?



- [A] stem-and-leaf plot [B] histogram
 [C] box-and-whisker plot [D] bar graph

2. fall0709ia, P.I. A.S.5

The data set 5, 6, 7, 8, 9, 9, 9, 10, 12, 14, 17, 17, 18, 19, 19 represents the number of hours spent on the Internet in a week by students in a mathematics class. Which box-and-whisker plot represents the data?

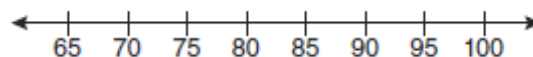
- [A] [B]
- [C] [D]

3. 080939ia, P.I. A.S.5

The test scores from Mrs. Gray's math class are shown below.

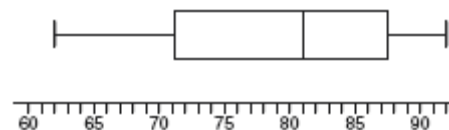
72, 73, 66, 71, 82, 85, 95, 85, 86, 89, 91, 92

Construct a box-and-whisker plot to display these data.



4. 010301a, P.I. A.S.6

The accompanying diagram shows a box-and-whisker plot of student test scores on last year's Mathematics A midterm examination.

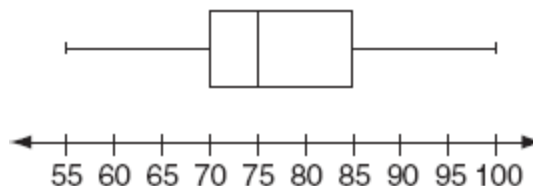


What is the median score?

- [A] 62 [B] 92 [C] 81 [D] 71

5. 060610a, P.I. A.S.6

The accompanying box-and-whisker plot represents the scores earned on a science test.



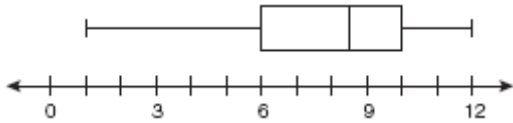
What is the median score?

- [A] 77 [B] 85 [C] 75 [D] 70

NAME: _____

6. 080818ia, P.I. A.S.6

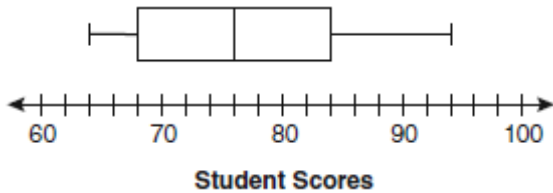
What is the value of the third quartile shown on the box-and-whisker plot below?



- [A] 8.5 [B] 12 [C] 6 [D] 10

7. 060915ia, P.I. A.S.6

The box-and-whisker plot below represents students' scores on a recent English test.

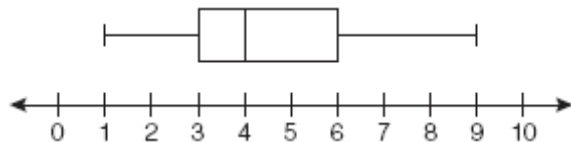


What is the value of the upper quartile?

- [A] 68 [B] 84 [C] 76 [D] 94

8. 010929ia, P.I. A.S.6

A movie theater recorded the number of tickets sold daily for a popular movie during the month of June. The box-and-whisker plot shown below represents the data for the number of tickets sold, in hundreds.

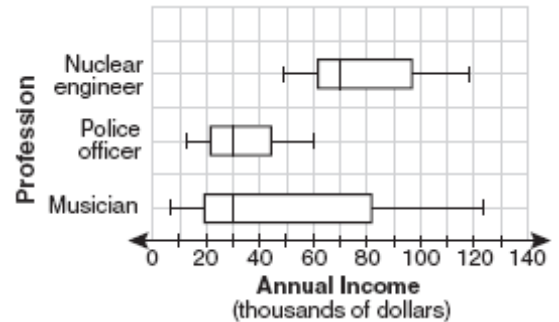


Which conclusion can be made using this plot?

- [A] The range of the attendance is 300 to 600.
 [B] Twenty-five percent of the attendance is between 300 and 400.
 [C] The second quartile is 600.
 [D] The mean of the attendance is 400.

9. 010916a, P.I. A.S.9

The accompanying box-and-whisker plots can be used to compare the annual incomes of three professions.



Based on the box-and-whisker plots, which statement is true?

- [A] A musician will eventually earn more than a police officer.
 [B] All nuclear engineers earn more than all police officers.
 [C] The median income for police officers and musicians is the same.
 [D] The median income for nuclear engineers is greater than the income of all musicians.

[1] C _____

[2] B _____

[4] A box-and-whisker plot is constructed correctly, where the minimum = 66, the first quartile = 72.5, the median = 85, the third quartile = 90, and the maximum = 95.

[3] A box-and-whisker plot is constructed, but one computational or graphing error is made.

[2] A box-and-whisker plot is constructed, but two or more computational or graphing errors are made.

or [2] A box-and-whisker plot is constructed, but one conceptual error is made.

[1] A box-and-whisker plot is constructed, but one conceptual error and one computational or graphing error are made.

or [1] A box-and-whisker plot is constructed, but only two of the statistical measures, the first quartile, the median, or the third quartile are found.

or [1] Minimum = 66, first quartile = 72.5, median = 85, third quartile = 90, and maximum = 95 are found, but no further correct work is shown.

[0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an obviously

[3] incorrect procedure. _____

[4] C _____

[5] C _____

[6] D _____

[7] B _____

[8] B _____

[9] C _____