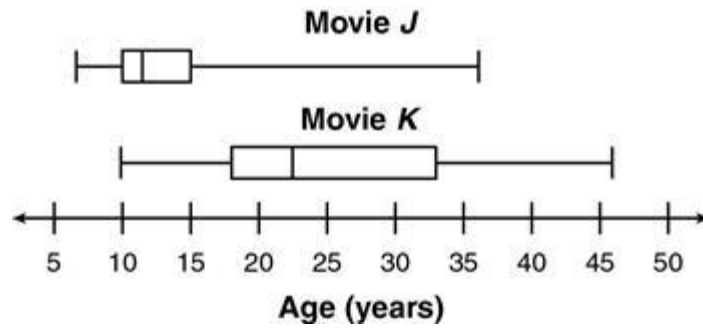


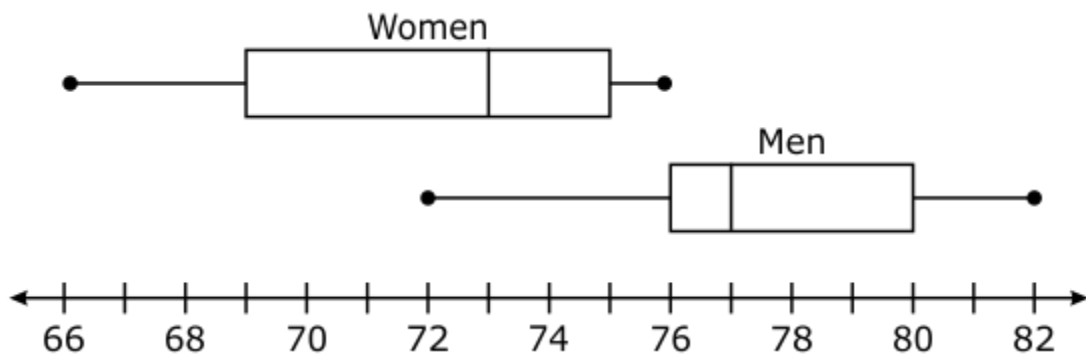
1. The box plots shown represent the ages of a random sample of 100 people who attended Movie *J* and 100 people who attended Movie *K*.



Which statement best compares the ages of the people attending Movie *J* and Movie *K*?

- A** The median age of the people attending Movie *J* is about 2 times the median age of the people attending Movie *K*.
- B** The median age of the people attending Movie *J* is about 3 times the median age of the people attending Movie *K*.
- C** The interquartile range of the ages of the people attending Movie *J* is about $\frac{1}{2}$ the interquartile range of the ages of the people attending Movie *K*.
- D** The interquartile range of the ages of the people attending Movie *J* is about $\frac{1}{3}$ the interquartile range of the ages of the people attending Movie *K*.

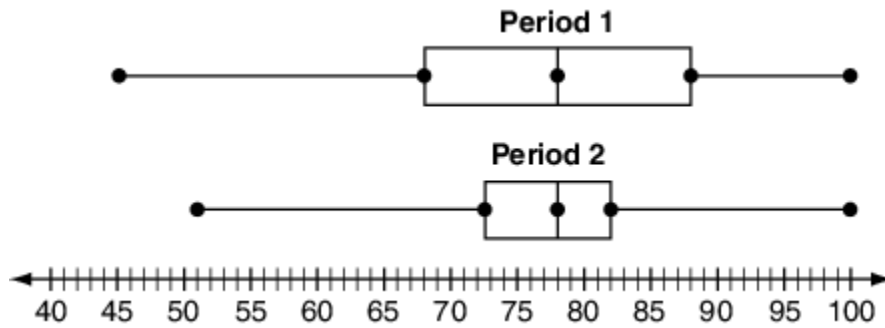
2. The box plots below represent the heights, in inches, of the players on the men's and women's basketball teams of a local university.



Based on the graphs, what is the difference between the median heights of the men and women players?

- A** 4 inches
- B** 5 inches
- C** 6 inches
- D** 7 inches

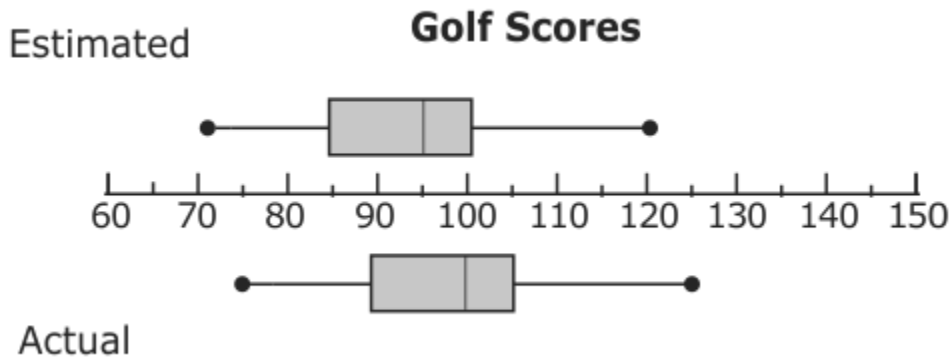
3. The box-and-whisker plots below depict the scores earned by Mr. Chin's Period 1 and Period 2 classes on their most recent chapter test.



Which statement is **best** supported by the plots?

- A The median score in Period 1 is greater than the median score in Period 2.
- B The range in the Period 1 scores is greater than the range in the Period 2 scores.
- C The mean score in Period 1 is greater than the mean score in Period 2.
- D The number of students in Period 1 is greater than in Period 2.

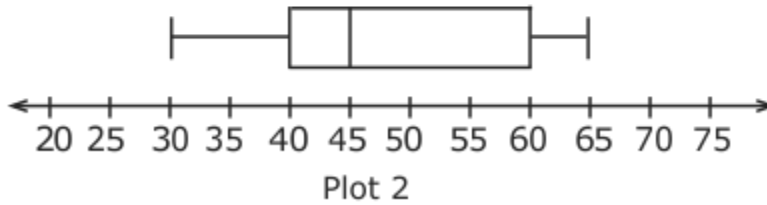
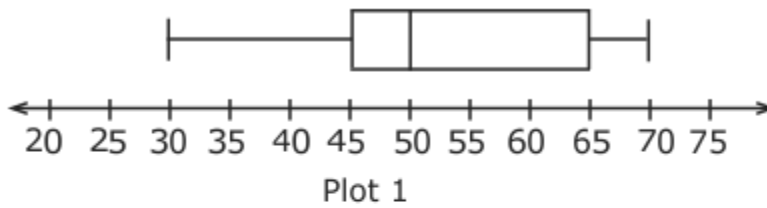
4. The stacked box plot displays the estimated and actual golf scores of a group of golfers.



Which statement is true?

- A Most golfers scored lower than they estimated.
- B More golfers scored under 100 than they estimated.
- C The actual median golf score was higher than the estimated median score.
- D All golfer's estimated scores were lower than their actual scores.

5. Which statement below is true based on the box plots?



- A Plot 2 has a larger interquartile range than Plot 1.
- B Plots 1 and 2 have the same interquartile range.
- C Plot 2 has a larger median than Plot 1.
- D Plots 1 and 2 have the same median.