Explore the Score

Question 1

Yesenia is preparing for soccer season by running a total of 36 miles per week. If she runs four days a week, how many miles on average does she run each day?

**(A)** 4

**(B)** 6

**(C)** 9

**(D)** 12

**(E)** 36

Question 2

A cheerleader’s final score is determined solely by the average of 8 judges’ scores, which are worth 10.0 points each. If Chelsea has an average of exactly 8.8 points from the first 6 judges, how many points must she average from the last 2 judges to earn exactly a final score of 9.0?

**(F)** 9.9

**(G)** 9.6

**(H)** 9.5

**(J)** 9.4

**(K)** 9.2

Question 3

During football season, the concession stand sells 30 bags of popcorn at $3 per bag, 50 hot dogs at $5 each, 80 soft drinks at $2 per drink, and 180 candy bars at $1 each. What is the average amount charged per item?

**(A)** $2.00

**(B)** $2.25

**(C)** $2.50

**(D)** $2.75

**(E)** $3.00

Question 4

An archer hit a target 9 times. For each arrow, her scores, in order, were 6, 3, 5, 8, 7, 4, 8, 9,  
and 8. She discovered a scoring error on the 9th shot, and her score on that shot was corrected to 10. Which of the following measures of central tendency changed as a result of the correction?

I. Mean

II. Median

III. Mode

**(F)** I only

**(G)** II only

**(H)** I and II only

**(J)** II and III only

**(K)** I, II, and III

Question 5

The frequency histogram below shows the distribution of the heights, in inches, of 15 basketball players.

A blue bar graph on a black background

Description automatically generated

Using the data from the frequency history gram, what is the sum of the mean and the median of this distribution?

**(A)** 156

**(B)** 157

**(C)** 158

**(D)** 159

**(E)** 160