

Answer:

6.5

- 16 Looking at the distribution of income within a country, which of the following statements is true?

Choose one answer.

- ☐ a. You cannot say anything about the relative size of the median and the mean
- ☐ b. The median and the mean are identical
- ☐ c. The median is higher than the mean
- ☒ d. The mean is higher than the median

- 17 What is the mean of these numbers: (-2.0), (-4.0), (-3.0), (-2.0)

Answer:

-2.75

- 18 The cumulative frequency curve is drawn by plotting the number of observations (or the percentage of observations) that are less than or equal to the value on the x-axis.

- 19 For a distribution that is positively skewed (i.e. has a long tail to the right), the mean will be

Choose one answer.

- ☐ a. the same as the median
- ☐ b. less than the median
- ☒ c. greater than the median
- ☐ d. could be either greater or less than the median

- 20 The probability that a salesperson makes a sale on any call is 0.15. Each potential customer is completely unconnected with other people who have been called. What is the probability that the salesperson will make two sales in his/her next two calls? Write your answer as a decimal correct to four decimal places

Answer:

.0225