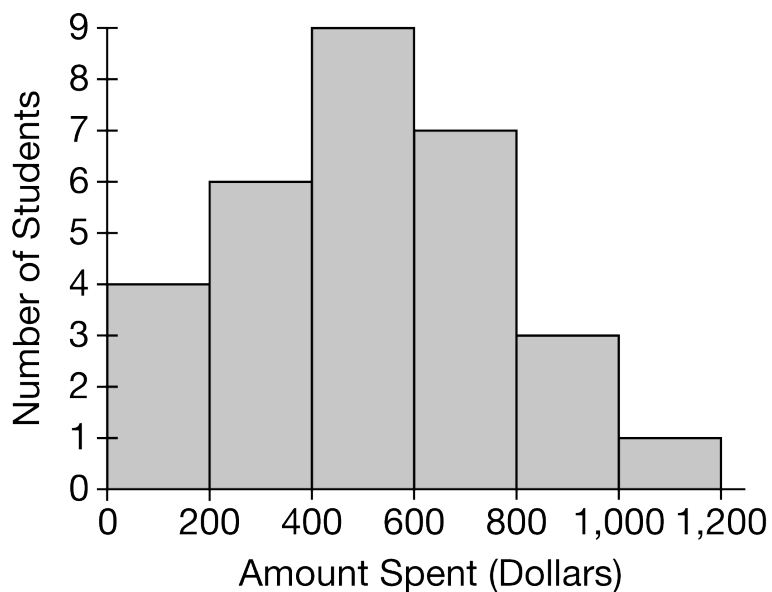


**Describing the Distribution of a Quantitative Variable Quiz**

1. Which of the following statements is true about a distribution that appears to have a gap when displayed as a histogram?
- (A) The distribution must have an outlier.
  - (B) The distribution has a region between two data values where no data were observed.
  - (C) The distribution is approximately normal.
  - (D) The distribution cannot be symmetric.
  - (E) The distribution must be bimodal.
2. The following histogram summarizes the amount spent on plane tickets to travel home, in dollars, for a group of 30 college students.

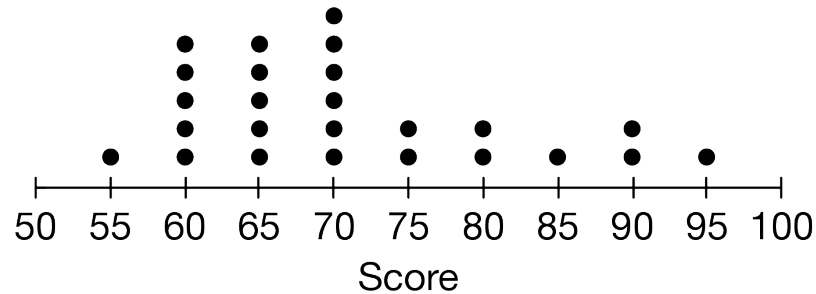


If the interval size is decreased from \$200 to \$100, which of the following must remain the same on the new histogram?

- (A) The heights of the bars
- (B) The widths of the bars
- (C) The number of bars
- (D) The sum of the frequencies
- (E) The shape of the distribution

**Describing the Distribution of a Quantitative Variable Quiz**

3. The following dotplot shows the scores of 25 people who played an online trivia game.



Which of the following statements is the best description of the distribution of scores?

- (A) The distribution is roughly symmetric.
- (B) The distribution is roughly uniform.
- (C) The distribution is skewed left.
- (D) The distribution is skewed right.
- (E) The distribution is bimodal.