

13 Probability and Data Analysis



- 8.11.B
- 8.11.B
- 8.11.B
- 8.11.A
- 8.13.A
- 8.12.A
- 8.12.C
- 8.12.C

- 13.1 Find Probabilities and Odds
- 13.2 Find Probabilities Using Permutations
- 13.3 Find Probabilities Using Combinations
- 13.4 Find Probabilities of Compound Events
- 13.5 Analyze Surveys and Samples
- 13.6 Use Measures of Central Tendency and Dispersion
- 13.7 Interpret Stem-and-Leaf Plots and Histograms
- 13.8 Interpret Box-and-Whisker Plots

Before

In previous courses, you learned the following skills, which you'll use in Chapter 13: finding the mean, median, and mode(s) of data and using a display to analyze data.

Prerequisite Skills

VOCABULARY CHECK

1. Copy and complete: The ? of a numerical data set is the middle number when the values are written in numerical order.

SKILLS CHECK

Find the mean, median, and mode(s) of the data. (Review p. 918 for 13.6.)

2. 0.2, 1.3, 0.9, 1.5, 2.1, 1.8, 0.6
3. 103, 121, 111, 194, 99, 160, 134, 160

In Exercises 4 and 5, use the bar graph, which shows the numbers of adults who participate in leisure activities, according to the results of a survey.

(Review p. 933 for 13.7.)

4. Which activities have fewer than 60 participants?
5. Of those surveyed, how many more read books than play cards?



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