### Now

In Chapter 13, you will apply the big ideas listed below and reviewed in the Chapter Summary on page 895. You will also use the key vocabulary listed below.

## **Big Ideas**

- Finding probabilities of simple and compound events
- Analyzing sets of data
- 🗿 Making and interpreting data displays

#### **KEY VOCABULARY**

- outcome, p. 843
- event, p. 843
- probability, p. 843
- odds, p. 845
- permutation, p. 851
- combination, p. 856
- compound event, p. 861
- survey, p. 871
- sample, p. 871
- measure of dispersion, p. 876
- range, p. 876
- stem-and-leaf plot, p. 881
- frequency, p. 882
- histogram, p. 882
- box-and-whisker plot, p. 887
- interquartile range, p. 888
- outlier, p. 889

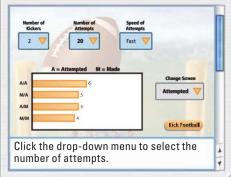
## Why?

You can use probability and data analysis to make predictions. For example, you can use data about a kicker's past successes in football games to find the chance of his success in the future.

# **Animated** Algebra

The animation illustrated below for Exercise 22 on page 848 helps you to answer this question: What is the probability that the kicker makes an attempted field goal?





Animated Algebra at classzone.com

Other animations for Chapter 13: pages 845, 856, 875, and 887