## 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

(1) Finding probabilities of simple and compound events
(2) Analyzing sets of data
(3) 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


## 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.

## AnimatedAlgebra

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?


## Ahimated Algebra at classzone.com

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

