

13 CHAPTER REVIEW



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- Multi-Language Glossary
- Vocabulary practice

REVIEW KEY VOCABULARY

- outcome, event, p. 843
- sample space, p. 843
- probability of an event, p. 843
- theoretical, experimental probability, p. 844
- odds in favor, odds against, p. 845
- permutation, p. 851
- n factorial, p. 852
- combination, p. 856
- compound event, p. 861
- mutually exclusive events, p. 861
- overlapping events, p. 861
- independent events, p. 862
- dependent events, p. 862
- survey, p. 871
- population, p. 871
- sample: random, stratified random, systematic, convenience, self-selected, p. 871
- biased sample, p. 872
- biased question, p. 872
- mean, median, mode, p. 875
- measure of dispersion, p. 876
- range, p. 876
- mean absolute deviation, p. 876
- stem-and-leaf plot, p. 881
- frequency, frequency table, p. 882
- histogram, p. 882
- box-and-whisker plot, p. 887
- lower quartile, upper quartile, p. 887
- interquartile range, p. 888
- outlier, p. 889

VOCABULARY EXERCISES

Copy and complete the statement.

1. An event that combines two or more events is a(n) ?.
2. A possible result of an experiment is a(n) ?.
3. **WRITING** Compare theoretical probability and experimental probability.

REVIEW EXAMPLES AND EXERCISES

Use the review examples and exercises below to check your understanding of the concepts you have learned in each lesson of Chapter 13.

13.1 Find Probabilities and Odds

pp. 843–848

EXAMPLE

A bag contains 15 red checkers and 15 black checkers. You choose a checker at random. Find the probability that you choose a black checker.

$$P(\text{black checker}) = \frac{\text{Number of black checkers}}{\text{Total number of checkers}} = \frac{15}{30} = \frac{1}{2}$$

EXERCISES

4. **CHECKERS** In the example above, suppose an extra red checker is added to the bag. Find the probability of randomly choosing a black checker.
5. **BAG OF LETTERS** A bag contains tiles. Each tile has one letter from the word HAPPINESS on it. You choose a tile at random. What is the probability that you choose a tile with the letter S?

EXAMPLE 2

on p. 844
for Exs. 4–5