Lesson 13.4 Practice: Counting and Compound Events

School Launch · Pre-Algebra · Unit 13: Data and Probability · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. Two fair dice are rolled. Find the probability the sum is 8. EASY

2. How many ways can 3 of 5 runners be chosen for a relay team (order not important)? EASY

3. Two fair dice are rolled. Find the probability the sum is 9. EASY

4. How many ways can 4 of 10 runners be chosen for a relay team (order not important)? MEDIUM

5. A coin is flipped 5 times. Find the probability of at least one head. MEDIUM

6. How many ways can 4 of 8 runners finish first, second, third …? MEDIUM

7. A coin is flipped 4 times. Find the probability of at least one head. MEDIUM

8. How many ways can 3 of 5 runners finish first, second, third? HARD

9. Find the mode(s) and range of: 14, 9, 8, 14, 10, 14, 14, 11, 15, 3. HARD

10. How many ways can 3 of 6 runners be chosen for a relay team (order not important)? HARD