

9-3**Practice: Skills*****The Fundamental Counting Principle***

Use the Fundamental Counting Principle to find the total number of outcomes in each situation.

1. rolling two number cubes and tossing one coin
2. choosing rye or Bermuda grass and 3 different mixtures of fertilizer
3. making a sandwich with ham, turkey, or roast beef; Swiss or provolone cheese; and mustard or mayonnaise
4. tossing 4 coins
5. choosing from 3 sizes of distilled, filtered, or spring water
6. choosing from 3 flavors of juice and 3 sizes
7. choosing from 35 flavors of ice cream; one, two, or three scoops; and sugar or waffle cone
8. picking a day of the week and a date in the month of April
9. rolling 3 number cubes and tossing 2 coins
10. choosing a 4-letter password using only vowels
11. choosing a bicycle with or without shock absorbers; with or without lights; and 5 color choices
12. a license plate that has 3 numbers from 0 to 9 and 2 letters