

Name _____ Homeroom _____

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 mayonaise
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