Number: Textbook Section:
Title:

The fundamental counting principle

1. A new car can be ordered in any one of nine different colors, with three different engines, two different transmissions, three different body styles, two different interior designs, and four different stereo systems. How many different cars are available?

2. How many different nonpersonalized passenger car license plates are available in California?

Permutations

3. How many ways can a committee consisting of a president, vice president, and treasurer be selected from a group of 10 people?