**11-7A Lesson Master**

**USES Objective G**

1. Lenore has seven favorite books. She loves to have her mom read one of these to her before bed each night. How many different ways can she select a book for each night of the week to have read to her?

2. A bowling team has eight members. How many different lineups could they submit?

In 3–5, on the back of credit cards is a three-digit security code, where each digit can be any number from 0 to 9.

3. How many different security codes are possible?

4. If the digits in the security code must all be different, how many codes are possible?

5. If the first digit of the security code cannot be zero, how many different security codes are possible, assuming numbers cannot be repeated?

6. Four people get on a bus in which there are exactly five empty seats. If each person plans to sit down, how many different ways can the four people occupy the five seats?

7. A CD changer has five slots for placing CDs. How many different ways can a person put five CDs into the changer?

8. Emilia has 500 songs stored in her MP3 player. How many different ways can the first three songs she listens to be played, assuming no song is repeated?

9. In the 2006 Chicago LaSalle Marathon, there were 18 elite male runners. How many different ways could the elite runners finish in first or second place?