

Name _____

11-7A Lesson Master**Questions on SPUR Objectives**

See pages 708–711 for objectives.

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? _____