Name _____ Date _____ Period _____

3-2 Practice Skills

A Page for Problem Solving

Write the final answer in each solution.

1. **CONSUMER** The consumer coordinator in a department store has 12 different brands of dishwashers and 8 different brands of refrigerators. If a customer purchases one dishwasher and one refrigerator, how many choices will the coordinator have?

2. **CONSUMER** In 2000, the total consumption of hamburgers (CH) was 100,000. In 2001, the consumption was 101,000. Write a linear equation for the consumption function.

3. **GEOMETRY** The Sphinx (head) measures approximately 20 feet in height and 57 feet in length. What is the ratio of the length to the height?

4. **CONSTRUCTION** The height of a storage tank is 15 times its diameter. If the height is 60 feet, what is the diameter of the tank?

5. A movie concession stand sells 100 popcorn. The number of each kind is shown in the table. What is the probability of selling a medium popcorn?

Small	30
Medium	5
Large	15
Jumbo	10

Complete the sequence.

6. 1, 4, 9, 16, 25, _____

7. 1, 2, 3, 5, 8, 13, 21, 34, _____

8. 1, 1, 2, 3, 5, 8, _____

9. 1, 2, 3, 5, 7, 11, 13, 17, 19, _____

10. 100, 90, 81, 73, 66, 60, 55, 51, _____

11. 64, 32, 16, 8, _____