

Name _____

Date _____

1. a. Count by twos 7 times.

_____, _____, _____, _____, _____, _____, _____

- b. Draw an array to match your count-by.

- c. Write an equation to represent the total number of objects in your array.

_____ × _____ = _____

2. a. Count by sevens 2 times.

_____, _____

- b. Draw an array to match your count-by.

- c. Write an equation to represent the total number of objects in your array.

_____ × _____ = _____

3. a. Turn your paper to look at the arrays in Problems 1 and 2 in different ways. What is the same and what is different about them?

- b. Why are the factors in your equations in a different order?

4. Skip-count to find the total for each expression. Write an equation to match your count-by. The first one is done for you.

a. 2 twos: $2 \times 2 = 4$ _____

d. 2 fours: _____

g. 2 fives: _____

b. 3 twos: _____

e. 4 twos: _____

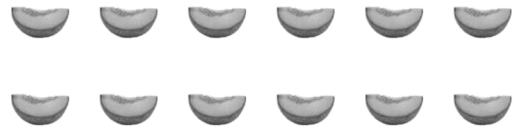
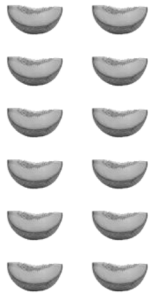
h. 6 twos: _____

c. 2 threes: _____

f. 5 twos: _____

i. 2 sixes: _____

5. Write and solve a different equation to describe each array.



6. Angel writes $2 \times 8 = 8 \times 2$ in his notebook. Do you agree or disagree? Draw arrays to help explain your thinking.

7. Find the missing factor to make each equation true.

$$2 \times 6 = 6 \times \quad$$

$$\quad \times 2 = 2 \times 7$$

$$9 \times 2 = \quad \times 9$$

$$2 \times \quad = 10 \times 2$$

8. Tamia buys 2 bags of candy. Each bag has 7 pieces of candy in it.

a. Draw an array to show how many pieces of candy Tamia has altogether.

b. Write and solve an equation to describe the array.

c. Use the commutative property to write and solve a different equation for the array.

Answer Key

1.
 - a. 2, 4, 6, 8, 10, 12, 14
 - b. Array of 7 rows of 2 drawn
 - c. 7, 2, 14
2.
 - a. 7, 14
 - b. Array of 2 rows of 7 drawn
 - c. 2, 7, 14
3.
 - a. Same array in Problem 1 turned on its side in Problem 2
 - b. The meaning of the factors switched; 2 represents size of each group, and 7 represents number of groups in Problem 1; 2 represents number of groups, and 7 represents size of each group in Problem 2
4.
 - a. Answer provided.
 - b. $3 \times 2 = 6$
 - c. $2 \times 3 = 6$
 - d. $2 \times 4 = 8$
 - e. $4 \times 2 = 8$
 - f. $5 \times 2 = 10$
 - g. $2 \times 5 = 10$
 - h. $6 \times 2 = 12$
 - i. $2 \times 6 = 12$
5. $6 \times 2 = 12$; $2 \times 6 = 12$
6. Agree; array of 2 rows of 8 and array of 8 rows of 2 drawn
7. 2; 7; 2; 10
8.
 - a. Array of 2 rows of 7 drawn
 - b. $2 \times 7 = 14$
 - c. $7 \times 2 = 14$