

Name \_\_\_\_\_

Date \_\_\_\_\_

1. a. Count by threes 6 times.

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

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

2. a. Count by sixes 3 times.

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

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

3. Use your arrays from Problems 1 and 2 to fill in the blanks below. Use the commutative property to make the equation true.

$$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \times \underline{\hspace{2cm}}$$

**Problem 1**

**Problem 2**

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. 5 threes:  $5 \times 3 = 15$       d. 3 sixes: \_\_\_\_\_      g. 8 threes: \_\_\_\_\_

b. 3 fives: \_\_\_\_\_      e. 7 threes: \_\_\_\_\_      h. 3 nines: \_\_\_\_\_

c. 6 threes: \_\_\_\_\_      f. 3 sevens: \_\_\_\_\_      i. 10 threes: \_\_\_\_\_

5. Find the unknowns that make the equations true. Then, draw a line to match related facts.

a.  $3 + 3 + 3 + 3 + 3 + 3 =$  \_\_\_\_\_

d.  $3 \times 9 =$  \_\_\_\_\_

b.  $3 \times 5 =$  \_\_\_\_\_

e. \_\_\_\_\_  $= 6 \times 3$

c. 8 threes + 1 three = \_\_\_\_\_

f.  $15 = 5 \times$  \_\_\_\_\_

6. Fernando puts 3 pictures on each page of his photo album. He puts pictures on 8 pages.
- Use circles to draw an array that represents the total number of pictures in Fernando's photo album.
  
  
  
  
  
  
  
  
  
  
  - Use your array to write and solve an equation to find Fernando's total number of pictures.
  
  
  
  
  
  
  
  
  
  
  - Fernando adds 2 more pages to his book. He puts 3 pictures on each new page. Draw x's to show the new pictures on the array in Part (a).
  
  
  
  
  
  
  
  
  
  
  - Write and solve a multiplication equation to find the new total number of pictures in Fernando's album.

7. Ivania recycles. She gets 3 cents for every can she recycles.
- How much money does Ivania make if she recycles 4 cans?

\_\_\_\_\_ × \_\_\_\_\_ = \_\_\_\_\_ cents

- How much money does Ivania make if she recycles 7 cans?

\_\_\_\_\_ × \_\_\_\_\_ = \_\_\_\_\_ cents

## Answer Key

1. a. 3, 6, 9, 12, 15, 18  
b. Array of 6 rows of 3 drawn
2. a. 6, 12, 18  
b. Array of 3 rows of 6 drawn
3. 6; 3; 3; 6
4. a. Answer provided  
b.  $3 \times 5 = 15$   
c.  $6 \times 3 = 18$   
d.  $3 \times 6 = 18$   
e.  $7 \times 3 = 21$   
f.  $3 \times 7 = 21$   
g.  $8 \times 3 = 24$   
h.  $3 \times 9 = 27$   
i.  $10 \times 3 = 30$
5. a. 18, matched with Part (e), 18  
b. 15, matched with Part (f), 3  
c. 27, matched with Part (d), 27
6. a. Array of 8 rows of 3 circles drawn  
b.  $8 \times 3 = 24$   
c. 2 rows of 3 x's added to array in Part (a)  
d.  $10 \times 3 = 30$
7. a. 4, 3, 12  
b. 7, 3, 21