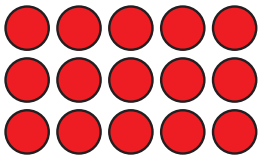
Section B: Practice Problems

1. a. How many counters are in each row?



b. How many rows are there?

c. How many counters are there in all?

(From Unit 8, Lesson 7.)

2. a. Clare described an array that she built with 16 counters. “It has only 2 columns and it's really tall.”

How many counters are in each of Clare's columns?

b. Build a different array using 16 counters. How would you describe your array?

(From Unit 8, Lesson 8.)

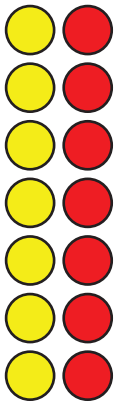
3. a. Circle the **2** expressions that represent the array.

$7 + 7 + 7 + 7 + 7 + 7 + 7$

$7 + 7$

$2 + 2 + 2 + 2 + 2 + 2 + 2$

$2 + 2$



b. How many counters are there in the array?

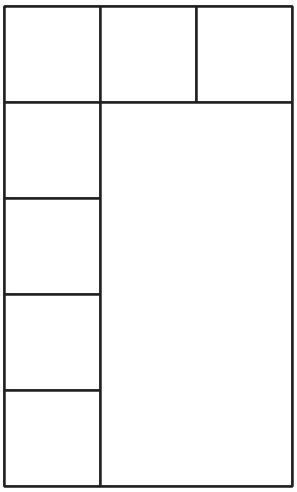
(From Unit 8, Lesson 9.)

4. a. Make an array with 15 counters.

b. Write 2 equations with equal addends to show how many counters there are.

(From Unit 8, Lesson 10.)

5. a. Draw lines so the rectangle is completely partitioned into equal-size squares.



b. How many columns of squares are there?

How many squares are in each column?

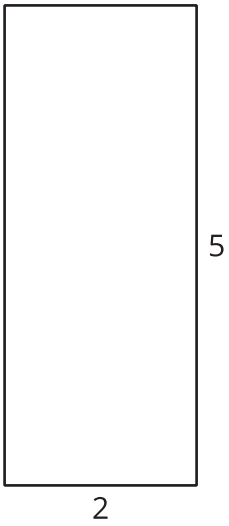
c. How many rows of squares are there?

How many squares are in each row?

d. Write 2 equations that represent the number of squares in the array.

(From Unit 8, Lesson 11.)

6. a. Split the rectangle into equal-size squares.



b. Write 2 equations that represent the number of squares in the array.

(From Unit 8, Lesson 12.)

7. **Exploration**

This large solar panel collects energy from the sun. There are different arrays of equal-size rectangles in the panel.

a. Describe some arrays of equal sized rectangles that you see in the panel. How many equal-size rectangles are there in each array?

b. Write an equation for the number of equal-size rectangles in each array.

8. **Exploration**

a. What are some things in the classroom or at home that come in arrays?

b. Choose one of the arrays and find the number of rows, the number of columns, and the total number of objects.