NAME DATE PERIOD

Grade 2, Unit 8, Section B: Additional Practice Problems

1. What is the total number of counters that can make an array with 4 rows?

   Circle 3 correct answers.

   A. 8

   B. 10

   C. 14

   D. 20

   E. 24

(From Unit 8, Lesson 7.)

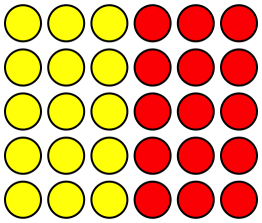
2. Use 24 counters to make 4 columns with the same number in each column. Show the array below.

   There are _____ counters in each column and _____ rows in the array.

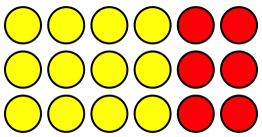
(From Unit 8, Lesson 8.)

NAME DATE PERIOD

3. Determine whether each expression represents the array. Circle the correct response.

a. 

- 6 + 6 + 6 + 6 + 6 True False
- 6 + 6 + 6 + 6 + 6 + 6 True False
- 5 + 5 + 5 + 5+ 5 True False
- 5 + 5 + 5 + 5 + 5+ 5 True False

b. 

- 3 + 3 + 3 True False
- 3 + 3 + 3 + 3 + 3 + 3 True False
- 6 + 6 + 6 True False
- 6 + 6 + 6 + 6 + 6 + 6 True False

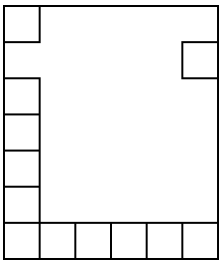
(From Unit 8, Lesson 9.)

NAME DATE PERIOD

4. Diego wants to put 20 stamps in an array. Make an array with 20 counters that shows how Diego can do this. Write an expression to represent your array.

(From Unit 8, Lesson 10.)

5. a. Find the total number of squares that would fill this rectangle without drawing the lines.

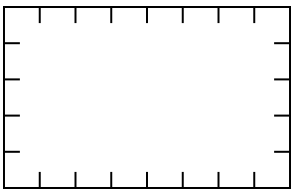


b. Write the expressions you can use to represent this model.

(From Unit 8, Lesson 11.)

NAME DATE PERIOD

6. a. Which equations represent the number of squares in the array?



Circle 2 correct answers.

A. 4 + 4 + 4 + 4 + 4

B. 5 + 5 + 5 + 5

C. 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5

D. 8 + 8 + 8 + 8 + 8

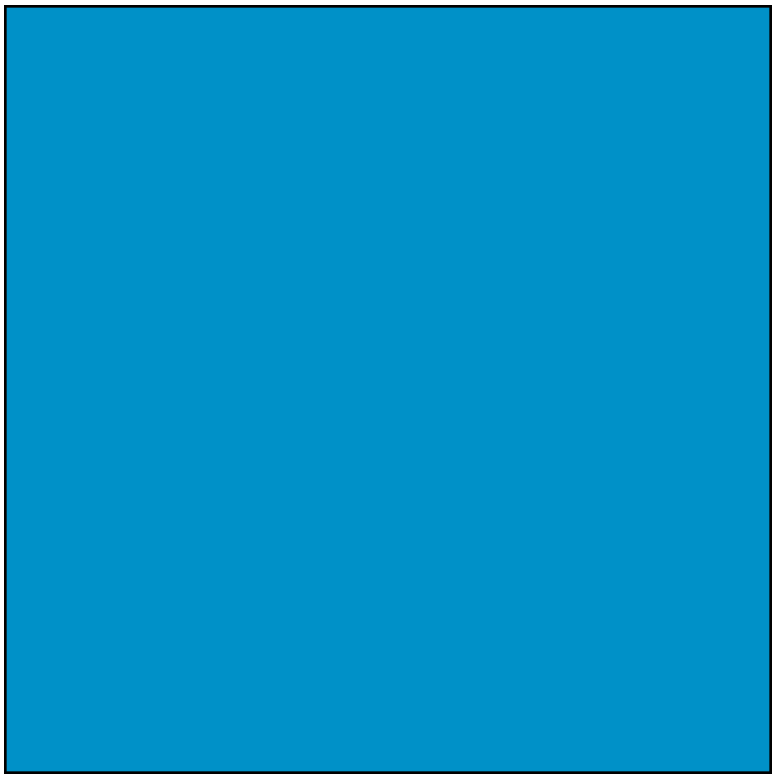
E. 8 + 8 + 8 + 8 + 8 + 8 + 8 + 8

b. Write the total number of squares in the array. _____ squares

(From Unit 8, Lesson 12.)

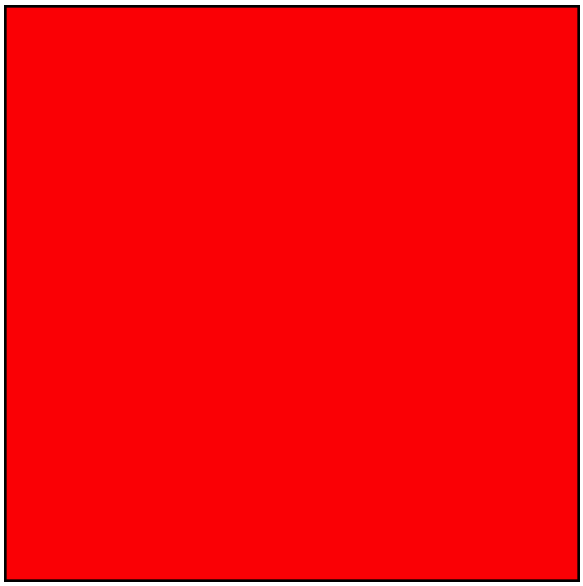
NAME DATE PERIOD

7. EXPLORATION
   a. Drag equal-sized squares to make an array that fills the given square. How many squares did you use to fill the blue square?



NAME DATE PERIOD

b. Drag equal-sized squares to make an array that fills the given square. How many squares did you use to fill the red square?



c. The numbers you found that filled the squares are called “square numbers.” What do you think is another square number?