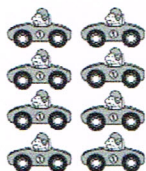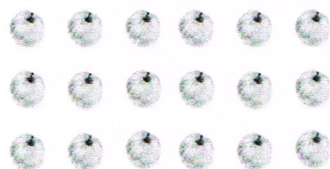Name _____   Date _____

Use the arrays below to answer each set of questions.

1.

a. How many rows of cars are there?   **4**

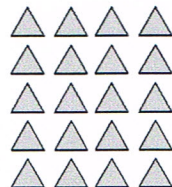b. How many cars are there in each row?   **2**

2.

a. What is the number of rows?   **3**

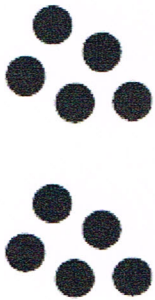b. What is the number of objects in each row?   **6**

3.

a. There are 4 spoons in each row. How many spoons are in 2 rows?   **8**

b. Write a multiplication expression to describe the array.   **2x4**

4.

a. There are 5 rows of triangles. How many triangles are in each row?   **4**

b. Write a multiplication expression to describe the total number of triangles.   **5x4**

5. The dots below show 2 groups of 5.

    a. Redraw the dots as an array that shows 2 rows of 5.

    O O O O O
    O O O O O

    b. Compare the drawing to your array. Write at least 1 reason why they are the same
        and 1 reason why they are different.

Sample Answer: They are the same because they both have 10 circles. They are different because the array is in rows and the other is not.

6. Emma collects rocks. She arranges them in 4 rows of 3. Draw Emma's array to show how many rocks she has all together. Then, write a multiplication equation to describe the array.

    O O O
    O O O $4 \times 3 = 12$
    O O O
    O O O   Emma has 12 rocks.

7. Joshua organizes cans of food into an array. He thinks, "My cans show 5 × 3!" Draw Joshua's array to find the total number of cans he organizes.

    O O O $5 \times 3 = 15$
    O O O
    O O O   Joshua has 15 cans.
    O O O
    O O O