

**Common Formative Assessment Template**  
**(please send to your principal)**

**Assessment Name: Multiplication/Division Concepts**

**Subject: Math**

**Grade: 3rd**

**Standard(s)** Core Standard: 3.2 Develop understandings of multiplication and division, and strategies for basic multiplication facts and related division facts. Content Standards: 3.2.3 and 3.2.5

**Created By** Christina Brown, Anya Chantiny and Anne O'Brien

**School: Cherry Park**

**Please Paste Assessment Below:**

Solve.

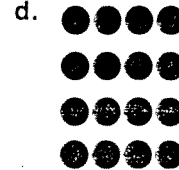
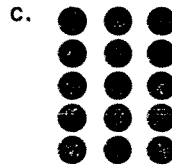
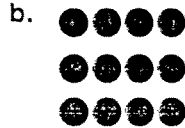
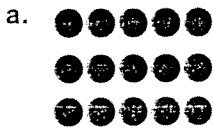
$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$

$$5 \times 3 \bigcirc 8 \times 2$$

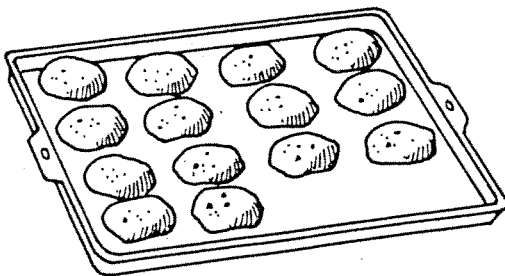
A group of 6 children each drink 4 glasses of milk a day. How many glasses do they drink in all each day?

Every day this week, James shot 3 free throws. How many shots did he try in 7 days?

Circle the letters of the two arrays which show that  $3 \times 5 = 5 \times 3$ .



Ring the letter of the correct number sentence to help you find the number of rolls on the baking sheet. Then solve.



- a.  $4 \times 4 = ?$
- b.  $(4 \times 4) - 2 = ?$
- c.  $(4 \times 4) + 2 = ?$

\_\_\_\_\_ rolls

### Mixed Applications

A baker can make 8 batches of muffins each hour. How many batches can the baker make in 7 hours?

The baker has 8 rows of muffins on a baking sheet. There are 6 muffins in each row. How many muffins are there?

Choose the letter of the correct answer.

A dog breeder feeds his puppies 4 times a day. How many times does he feed them each week?

- A 21 times      B 11 times  
C 28 times      D 24 times

Which of the following has the same answer as  $7 \times 6$ ?

- F  $7 + 6$       G  $6 \times 7$   
H  $7 - 6$       J  $6 + 7$

Nicole's garden has 6 rows with 5 plants in each row. Which of the following could you use to find the number of plants in the garden?

- A  $6 - 5$       B  $6 + 5$   
C  $5 + 6$       D  $6 \times 5$

Which multiplication sentence can be used for this addition sentence:  $2 + 2 + 2 + 2 = 8$ ?

- F  $4 \times 2 = 8$   
G  $8 \times 2 = 16$   
H  $2 \times 8 = 16$   
J  $2 \times 6 = 12$

Which sentence can you use to show 6 boxes with 1 sweater in each box?

- F  $6 \times 0 = 0$       G  $2 \times 6 = 12$   
H  $6 \times 6 = 36$       J  $6 \times 1 = 6$

Alberto's class has 28 students. They sit in groups of 4 students. How many groups are there?

- A 7  
B 6  
C 4  
D 14

Find the product.

$$4 \times 7 = \underline{\quad ? \quad}$$
  

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Joe has a 3-week vacation every August. How many days of vacation does he have?

Sarah had 6 bags. She put 5 tennis balls in each bag. How many tennis balls did she use?

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Find the product.

$$5 \times 7 = \underline{\quad ? \quad}$$
  

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Every time the Sims family eats together they need 8 plates. If they eat together 3 times in a day, how many plates do they need?

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Ed made 4 baskets each game for the first 4 games of the season. How many baskets is that in all?

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Name \_\_\_\_\_ Date \_\_\_\_\_

## Multiplication and Division

1. Choose one of the problems below. Circle the one you chose. Use pictures and numbers to show how you would solve it. You can also use words to explain your thinking.

$2 \times 4$

$8 \times 5$

$9 \times 4$

2. Sarah has 3 bags. Each bag has 8 marbles. How many marbles does Sarah have? Use pictures and numbers to show how you would solve it. You can also use words to explain your thinking.

3. Matt's dad had 24 slices of pepperoni. He put the same number of slices on 4 pizzas. How many slices of pepperoni are on each pizza? Use pictures and numbers to show how you would solve it. You can also use words to explain your thinking.

4. Sketch all possible rectangular arrays that can be formed with 30 units. You may use units to do this task. Label the dimensions of your arrays.

5. Please write as much as you can about this array. You can write a story problem, record the array's dimensions, and write number sentences to go with it.

