

Name .....

# MY Homework

## Lesson 7

### Multiply by 0 and 1

## Homework Helper



Need help? [connectED.mcgraw-hill.com](http://connectED.mcgraw-hill.com)

Three customers each bought a cone with 1 scoop of frozen yogurt. How many scoops did the customers buy in all?

Find  $3 \times 1$ .



The Identity Property of Multiplication states that when any number is multiplied by 1, the product is that number.

So,  $3 \times 1 = 3$ .

The 3 customers have eaten their frozen yogurt cones. Now how many scoops do the customers have in all?

Find  $3 \times 0$ .



The Zero Property of Multiplication states that when any number is multiplied by 0, the product is 0.

So,  $3 \times 0 = 0$ .

## Practice

**Algebra** Circle equal groups to find the unknown.  
Write the unknown.

1.  $8 \times 1 = \blacksquare$

The unknown is 8.



2.  $5 \times 1 = \blacksquare$

The unknown is 5.



Use the Identity Property of Multiplication or the Zero Property of Multiplication to find each product.

3.  $4 \times 0 = \underline{0}$

4.  $7 \times 1 = \underline{7}$

5.  $7 \times 0 = \underline{0}$

6.  $6 \times 1 = \underline{6}$

7.  $1 \times 0 = \underline{0}$

8.  $9 \times 1 = \underline{9}$

9.  $2 \times 1 = \underline{2}$

10.  $8 \times 1 = \underline{8}$

11.  $5 \times 0 = \underline{0}$




## Problem Solving

**Algebra** Write a multiplication sentence with a symbol for the unknown for Exercises 12 and 13. Then solve.

12. Jordan collects stamps. If he gets 1 stamp a day for 12 days, how many stamps will he add to his collection?

$1 \times 12 = \square$ ; 12 stamps

13. **Mathematical PRACTICE**  **Be Precise** There are no pockets on any of Henry's shirts. How many pockets do 6 of Henry's shirts have?

$6 \times 0 = \square$ ; 0 pockets

## Vocabulary Check



Write the correct word to complete the sentence.

Identity

Zero

14. The Zero Property of Multiplication states that any number multiplied by 0 equals 0.
15. The Identity Property of Multiplication states that any number multiplied by 1 is that number.

## Test Practice

16. Which multiplication sentence shows how to find the number of wings two alligators have altogether?

(A)  $1 + 1 = 2$

(C)  $1 \times 1 = 1$

(B)  $2 \times 2 = 4$

(D)  $2 \times 0 = 0$

