MY Homework

Lesson 7

Multiply by 0 and 1

Homework Helper

eHelp

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

Find 3 × 1.

The Identity Property of Multiplication states that when any number is multiplied by 1, the product is that number.
So, 3 × 1 = 3.

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

Find 3 × 0.

The Zero Property of Multiplication states that when any number is multiplied by 0, the product is 0.
So, 3 × 0 = 0.

Practice

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

1. 8 × 1 = ■

The unknown is _____.

2. 5 × 1 = ■

The unknown is _____.

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

3. $4 \times 0 =$ _____

4. $7 \times 1 =$ _____

5. $7 \times 0 =$ _____

6. $6 \times 1 =$ _____

7. $1 \times 0 =$ _____

8. $9 \times 1 =$ _____

9. $2 \times 1 =$ _____

10. $8 \times 1 =$ _____

11. $5 \times 0 =$ _____

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?

_____

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

_____

Vocabulary Check

Write the correct word to complete the sentence.

Identity   Zero

14. The _____ Property of Multiplication states that any number multiplied by 0 equals 0.

15. The _____ 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?

Ⓐ $1 + 1 = 2$ Ⓒ $1 \times 1 = 1$

Ⓑ $2 \times 2 = 4$ Ⓓ $2 \times 0 = 0$