

Name \_\_\_\_\_

Date \_\_\_\_\_

## Properties Of Operations as Strategies - Guided Lesson Explanation:

### Explanation to #1

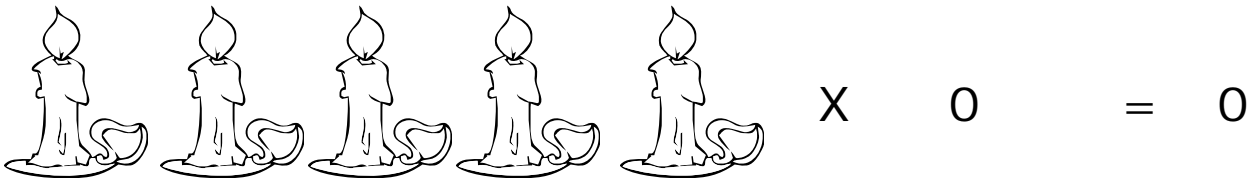
Step 1) To find the missing value, use properties of multiplication to make both sides of the equation look the same.

The zero property says multiplying by 0 always gives 0.

$$5 \times 0 = \underline{\quad}$$

$$5 \times 0 = 0$$

So, the missing value is 0.



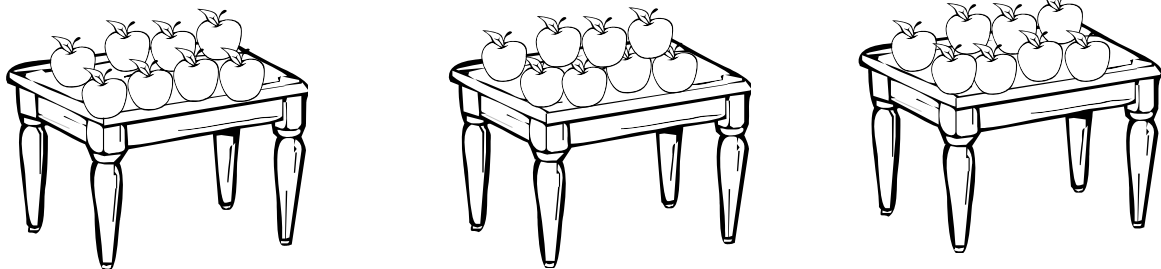
### Explanation to #2

Step 1) Use the inverse relationship between multiplication and division.

Step 2) If  $24 \div 8 = 3$ , then...

$$3 \times 8 = 24$$

$$8 \times 3 = 24$$



Name \_\_\_\_\_

Date \_\_\_\_\_

### Explanation to #3

Step 1) Multiplying by 1 does not change a number.

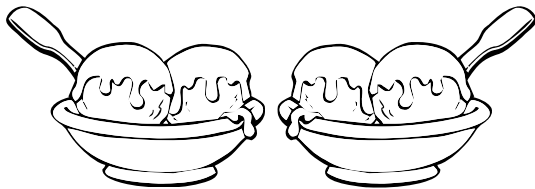
To find the missing value, use properties of multiplication to make both sides of the equation look the same.

The identity property says multiplying by 1 does not change a number.

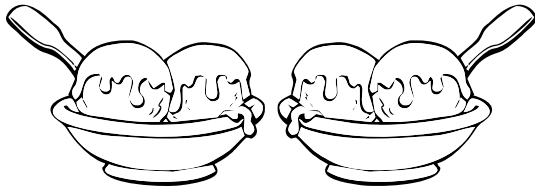
$$\underline{\quad} \times 1 = 4$$

$$? = 4$$

Now match up the two sides of the equation.



$$\times 1 = 4$$



$$? = 4$$

So, the missing value is 4.

