

G3-M3-Lesson 16

1. Let $g = 4$. Determine whether the equations are true or false.

a. $g \times 0 = 0$	<i>True</i>
b. $0 \div g = 4$	<i>False</i>
c. $1 \times g = 1$	<i>False</i>
d. $g \div 1 = 4$	<i>True</i>

I know this equation is false because 0 divided by any number is 0. If I put in any value for g other than 0, the answer will be 0.

I know this is false because any number times 1 equals that number, not 1. This equation would be correct if it was written as $1 \times g = 4$.

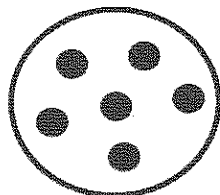
2. Elijah says that any number multiplied by 1 equals that number.

- a. Write a multiplication equation using c to represent Elijah's statement.

$$1 \times c = c$$

I can also use the commutative property to write my equation as $c \times 1 = c$.

- b. Using your equation from part (a), let $c = 6$, and draw a picture to show that the new equation is true.



My picture shows 1 group multiplied by c , or 6. 1 group of 6 makes a total of 6. This works for any value, not just 6.