

Name: ..... Class: .....

Solve for a variable using properties of multiplication.

1. What value of  $x$  makes this multiplication expression complete?

$$49 \cdot 600 = 600 \cdot x$$

2. What value of  $s$  makes this multiplication statement true?

$$1,590 \cdot s = 0$$

3. Write the missing number.  $19 \times (2 + 4) = (19 \times 2) + (? \times 4)$ .

4. What value of  $U$  makes this multiplication statement true?

$$U \cdot 306 = 306 \cdot 751$$

5. What value of  $V$  makes this multiplication statement true?

$$V \cdot (12 \cdot 290) = (4 \cdot 12) + (4 \cdot 290)$$

6. Write the missing number

$$1 \cdot 52,478 = \boxed{?}$$

7. Write the missing number

$$694,128 \cdot 0 = \boxed{?}$$

Name: ..... Class: .....

Solve for a variable using properties of multiplication.

1. What value of  $x$  makes this multiplication expression complete?

$$49 \cdot 600 = 600 \cdot x$$

Identify the multiplication property used.

It is the Commutative property which says that , you can multiply numbers in any order and get the same results.

Apply the commutative property.

$$49 \cdot 600 = 600 \cdot x$$

$$600 \cdot 49 = 600 \cdot x$$

Match the two sides of the equation.

$$600 \cdot 49 = 600 \cdot x$$

$$\text{So, } x = 49$$

2. So,  $s = 0$ .

3. So,  $? = 19$ .

4. So,  $U = 751$ .

5. So,  $V = 4$ .

6. So, the missing number is 52,478.

7. So, the missing number is 0.