

Homework W4 Day 5

Tell which property the statement illustrates.

1. $12 + 0 = 12$

The property the statement illustrates is _____.

2. $6 \cdot 7 = 7 \cdot 6$

The property the statement illustrates is _____.

3. $8 \cdot (10 \cdot 7) = (8 \cdot 10) \cdot 7$

The property the statement illustrates is _____.

4. $17 \cdot 1 = 17$

The property the statement illustrates is _____.

5. $8 + (7 + 5) = (8 + 7) + 5$

The property the statement illustrates is _____.

Directions: Complete the statement using the specified property.

6. Commutative Property of Addition: $a + 7 =$ _____

7. Commutative Property of Multiplication: $12 \cdot 5 =$ _____

8. Associative Property of Addition: $6 + (9 + 7) =$ _____

9. Associative Property of Multiplication: $2 \cdot (5 \cdot 7) =$ _____

10. Describe and correct the error made in simplifying the expression.

\times	$54 \cdot 1 = 1$ Multiplication Property of One
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Evaluate the expression $2x + 4y$, when $x = 3$ and $y = 5$

. Simplify each expression, for $n = 5$

a) $8n + 2$

b) $n^2 - 2n + n$

c) $5n^2 + 12$

Evaluate the expression for the given values.

$x = 8$ $2x + (3y + z^2)$
 $y = 10$ $z = 4$

Mr. Carson drove his car to visit his brother in Upstate New York. He traveled at a rate of 56 miles per hour for 3.5 hours. Use the formula $d = rt$ to determine how far did Mr. Carson drive his car?

Answer: _____

The surface area, S , of a right rectangular prism with length l , width w , and height h can be found using the formula below.

$$S = 2(lw + wh + hl)$$

What is the surface area, in square inches, of a prism with a length of 12 inches, a width of 9 inches, and a height of 2 inches?

- A 300
- B 258
- C 150
- D 92