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LIVEWORKSHEETS

Distributive Property of Multiplication worksheet - 1

1) Which equation shows the distributive property of multiplication?
   a) $a \times (b + c) = a \times b + a \times c$
   b) $a + (b \times c) = a + b \times a + c$
   c) $a - (b \times c) = a - b \times a - c$
   d) $a \div (b + c) = a \div b + a \div c$

2) Multiply 4 with the expression $(2x + 1)$ by using the distributive property of multiplication.

3) Fill in the blank in the multiplication of 3 and $(y + 2)$.
   $3 \times (y + 2) = 3 \times __ + 6$

4) Find the value of "$y(x+2) + x(y+2)$" buy using the distributive property.

5) Find the perimeter of the rectangular garden if it's length and width are 'x' and 'y - 2'.



6) Use the distributive property of multiplication to find the value of
   $3 \times (10 + 4)$

7) Solve for 'x': $4 \times (x + 3) = 16$

8) Fill in the blanks by using distributive property
   a) $5 \times (__ + 7) = 5 \times 4 + 35$
   b) $6 \times (3 + 2) = 6 \times __ + 12$

LIVEWORKSHEETS

9) Which of the following given below is equal to: $4 \times (2 + 3)$
   a) $2 \times (3 + 4)$
   b) $2 \times (4 + 6)$
   c) $3 \times (2 + 4)$

10) Is $(7 + 2) \times 5$ equal to $7 \times (2 + 5)$?

FUN FACT

1. Changing the order of factors do not change the value of the product.
2. The multiplication of two negative numbers is always positive.
3. The product of any number and one is equal to the number itself.



LIVEWORKSHEETS