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Distributive Property of Multiplication worksheet - 2

- 1) Which property of multiplication is used to solve the multiplication
 $3 \times (7 + 2)$
- 2) Fill in the blanks by using distributive property
 - a) $2 \times (\underline{\quad} + 7) = 2 \times 8 + 14$
 - b) $5 \times (1 + 2) = 5 \times \underline{\quad} + 10$
- 3) Multiply 3 with the expression $(4x + 1)$ by using the distributive property of multiplication.
- 4) Fill in the blank in the multiplication of 3 and $(y + 2)$.
 $7 \times (y + 3) = 7 \times \underline{\quad} + 21$
- 5) Expand: $-3 \times (5 + t)$
- 6) Find the area of the rectangular shaped garden if it's length and width are '5' and '6 - 3'.



- 7) Solve for 'x': $5 \times (x + 3) = 25$
- 8) Is $(3 + 2) \times 5$ equal to $5 \times (2 + 3)$?
- 9) 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) $a \div (b + c) = a \div b + a \div c$

10) Which of the following given below is equal to: $3 \times (4 + 6)$

- a) $6 \times (4 + 6)$
- b) $6 \times (2 + 3)$
- c) $6 \times (3 + 4)$



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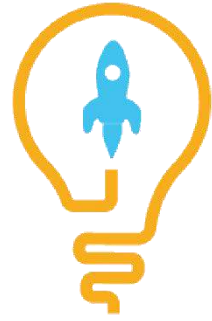
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"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

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**ANSWERS**

1)	Distributive property
2)	a) 8 b) 1
3)	$12x + 3$
4)	y
5)	$-15t - 3t$
6)	15
7)	$x = 2$
8)	Yes
9)	a)
10)	b) $6 \times (2 + 3)$

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. This is the identity property of multiplication.

