

Name: _____

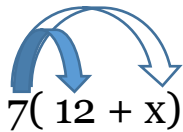
DISTRIBUTIVE PROPERTY NOTES

Notes:

- Distribute means to _____.
- When you use the distributive property, you are GIVING the numbers/variables on the _____ of the parenthesis to both/all of the numbers/variables on the _____ of the parenthesis.

Examples:

1. $7(12 + x)$ Step 1: Draw arrows from the 7 to the 12 and x. Each arrow represents multiplication.



Step 2: Multiply

$(7 \cdot 12) + (7 \cdot x)$ Step 3: Simplify if possible.

2. $8(6x + 4y)$ Step 1: Draw arrows from the 8 to the $6x$ and $4y$. Each arrow represents multiplication.



Step 2: Multiply

$(8 \cdot 6x) + (8 \cdot 4y)$ Step 3: Simplify if possible.

You Try:

1. $13(5x + 7y + 8)$

2. $9(10a + 12c) + 11(6a + 5c + 11)$