

Distributive Property

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* Works w/ BOTH Addition & Subtraction

How to use:

- ① Multiply Everything inside parenthesis by the outside number
- ② Add or Subtract * Follow integer Rules*

Jan 6-9:41 AM

Examples

$$\begin{array}{l} \textcircled{1} \quad 3(2+4) \\ \quad 6+12 \\ \quad 18 \end{array}$$

$$\begin{array}{l} \textcircled{2} \quad 3(2-4) \\ \quad 6-12 \\ \quad -6 \end{array}$$

$$\begin{array}{l} \textcircled{3} \quad -3(2+4) \\ \quad -6 + -12 \quad \text{OR} \\ \quad -6-12 \\ \quad -18 \end{array}$$

$$\begin{array}{l} \textcircled{4} \quad -3(2-4) \\ \quad -6 + +12 \\ \quad 6 \end{array}$$

Jan 6-9:45 AM

What if...

$$\textcircled{5} \quad 3(2a+4)$$

$$6a+12$$

$$\textcircled{7} \quad -3(2a+4)$$

$$-6a+-12$$

$$-6a-12$$

$$\textcircled{6} \quad 3(2a+4b)$$

$$6a+12b$$

$$\textcircled{8} \quad -3(2a-4)$$

$$-6a+12$$

Jan 6-9:48 AM