

Name: _____ Date: _____ Hour: _____

Unit 1 Day 10: The Distributive Property Practice

Focus Question: How do I use the distributive property?

Gallery Walk

Today you will go around with a group of 4. As you examine each poster, decide if the solution is correct or incorrect. Put your group's sticker in the column of your choice. If you choose that the poster has an incorrect solution, each person is to work the problem on this paper. Then compare answers and help each person find any mistakes in their own work if your answers do not match. When you all agree on the correct answer, move on to the next poster.

Poster Letter	We Chose (Correct Or Incorrect)	Correct Work (if necessary)
A	Incorrect	$4(2x - 8) = -16$ $4 \cdot 2x + 4 \cdot 8 = -16$ $8x - 32 = -16$ $\quad +32 \quad +32$ $\frac{8x}{8} = \frac{16}{8}$ $\boxed{x = 2}$
B	Correct	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
C	incorrect	$-3(4x - 2) = 0$ $-3 \cdot 4x - 3 \cdot -2 = 0$ $-12x + 6 = 0$ $\quad -6 \quad -6$ $\frac{-12x}{-12} = \frac{-6}{-12}$ $x = \frac{1}{2}$

D	Incorrect	$6(x+2) = 14$ $6 \cdot x + 6 \cdot 2 = 14$ $6x + 12 = 14$ $\begin{array}{r} -12 \quad -12 \\ \hline 6x \quad = 2 \\ \hline 6 \quad \quad 6 \end{array}$ $x = \frac{1}{3}$
E	incorrect	$2(4x+1) = -6$ $2 \cdot 4x + 2(1) = -6$ $8x + 2 = -6$ $\begin{array}{r} -2 \quad -2 \\ \hline 8x \quad = -8 \\ \hline 8 \quad \quad 8 \end{array}$ $x = -1$
F	Correct	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>