DO NOW

GRADE 8 · 5 MINUTES · START RIGHT AWAY

Lesson 2-3c **Use the Distributive Property on Both Sides of an Equation**

Name _____ Date _____ Per _____

1 FLUENCY

Solve.

$3(x + 4) = 2(x + 9)$ $x =$ ☐

2 VISUAL MODEL

The two rectangles have equal areas. Find x and the area.



$x =$ ☐ Area = ☐

3 APPLICATION

Ben buys 5 packs with $(c + 2)$ cards each. Ana buys 3 packs with $(c + 6)$ cards each. They get the same number of cards. Find c and the total each.

$c =$ _____ Cards each: _____

WORK

4 REASONING

Which is **NOT** a correct first step for $2(x - 5) = 4(x + 1)$?

(A) $2x - 10 = 4x + 4$

(B) $x - 5 = 2(x + 1)$

(C) $2x - 5 = 4x + 1$

(D) $2(x - 5) - 4(x + 1) = 0$

_____

*We don't divide our effort, we **multiply** it!*

✎ Show your work ✓ Check your work ★ Try your best

Preview - the full worksheet and its answer key are at primeworksheet.com