Solving Two-Step Equations Using Distributive Property

☑ Apply the distributive property $a(b+c) = ab + ac$

Target #3
I can solve a two step linear equation using the distributive property.
$2(g+4) = -8$

☑ Isolate the variable

    ‣ Use opposite operation (add or subtract)
        OR
    ‣ Move term across the "=" sign

☑ Undo the operation applied to the variable

☑ Check/verify your solution

Example 1

Solve each equation. Verify your answer.

a) $2(g+4) = -8$

b) $12 = -2(x-3)$

Example 2

Mrs. Coe is making a square quilt with a 4 cm wide border around it. She wants the completed quilt to have a perimeter of 600 cm. What must the dimensions of Mrs.Coe's quilt be before she adds the border?

Check your understanding by completing:

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