GRADE 7 MATH · CLASSWORK

Expand Expressions Using the Distributive Property

SCORE / 25

01 Part A · Practice

To expand, multiply the factor outside the parentheses by every term inside; an area model shows each product.

EXAMPLE

Expand $4(x + 3)$**.**

1. Area model: 4 by x and 4 by 3.
2. $4 \cdot x = 4x$; $4 \cdot 3 = 12$.
3. $4x + 12$.

1 ●○○ Use the area model to expand $11(2y + 5)$. Write the area of each part, then add.

	$2y$	5
11	?	?

2 ●○○ Expand $11(3d + 3)$.

3 ●○○ Find 5×63 by writing it as $5(60 + 3)$ and expanding.

4 ●○○ Use the Distributive Property to expand $10(3d + 6a + 7)$.

5 ●○○ Expand $11(3y - 3)$.

6 ●○○ Find 8×89 by writing it as $8(90 - 1)$ and expanding.

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