GRADE 7 MATH · CLASSWORK · ADVANCED

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 ●○○ Expand $3(7a + 7)$.

2 ●○○ Use the area model to expand $7(4x + 5)$. Write the area of each part, then add.

	$4x$	5
7	?	?

3 ●○○ Find 7×96 by writing it as $7(100 - 4)$ and expanding.

4 ●○○ Use the Distributive Property to expand $15(6x + 7y - 3)$.

5 ●○○ Expand $4(8p + 2)$.

6 ●○○ Find 4×504 by writing it as $4(500 + 4)$ and expanding.

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