GRADE 7 MATH · CLASSWORK

Expand Expressions with a Variable

SCORE / 25

01 Part A · Practice

When the factor is negative or a fraction/decimal, multiply it by each term and decide each sign carefully.

EXAMPLE

Expand $-\frac{1}{2}(6x - 8)$.

1. $-\frac{1}{2} \cdot 6x = -3x$.
2. $-\frac{1}{2} \cdot (-8) = 4$.
3. $-3x + 4$.

1 ●○○ Expand. $-9(3m - 1)$

2 ●○○ Expand. $(d - 4)$

3 ●○○ Expand. $2.5(4a + 16)$

4 ●○○ Expand. $\frac{3}{2}(8y - 16)$

5 ●○○ Expand. $2.5(6k + 16)$

6 ●○○ Expand. $-7(5x - 5)$

7 ●○○ Expand. $(6a - 9)$

8 ●○○ Expand. $1.5(8x + 2)$

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