GRADE 7 MATH · CLASSWORK · ADVANCED

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. $-15(3x + 2)$

2 ●○○ Expand. $1.5(16m - 16)$

3 ●○○ Expand. $\frac{3}{5}(25a - 30)$

4 ●○○ Expand. $-1.5(14x - 12)$

5 ●○○ Expand. $-5(5n + 7)$

6 ●○○ Expand. $(2m + 7)$

7 ●○○ Expand. $-3(3t - 8)$

8 ●○○ Expand. $-\frac{2}{3}(6b - 15)$

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