

8th Grade Distributive Property Worksheet

Expand: $4(x - 5)$

Factor: $15x + 30$

Simplify: $5(2x - 3) + 2x$

Factor: $8y - 27$

Simplify: $2(y - 4) + 5y$

Expand: $8y - 5$

8th Grade Distributive Property Worksheet Answer Key

Expand: $4(x - 5)$

$$= 4 * x - 4 * 5$$

$$= 4x - 20$$

Factor: $15x + 30$

$$\text{GCF} = 15 \rightarrow$$

$$15(x + 2)$$

Simplify: $5(2x - 3) + 2x$

$$= 10x - 15 + 2x$$

$$= 12x - 15$$

Factor: $21a + 42$

$$\text{GCF} = 21 \rightarrow$$

$$21(a + 2)$$

Simplify: $2(y - 4) + 5y$

$$= 2y - 8 + 5y =$$

$$7y - 8$$

Expand: $9(y - 4)$

$$= 9 * y - 9 * 4$$

$$= 9y - 36$$