

Name: _____

Date: _____

DISTRIBUTIVE PROPERTY WORD PROBLEMS WORKSHEET

Solve each word problem by applying the Distributive Property.

1. 🍕 Pizza Party: A restaurant serves $(x + 4)$ pizzas each day for 5 days. Write an expression for the total number of pizzas served and solve for $x=6$ $x = 6$ $x = 6$.

2. 📚 School Supplies: A teacher distributes $(y + 3)$ pencils to each student in a class of 7 students. Write and solve the expression for the total pencils distributed when $y = 5$.

3. 🚗 Road Trip Miles: A car travels $(m - 2)$ miles each hour for 8 hours. Write and solve the expression for the total miles traveled when $m = 10$.

4. 🏀 Basketball Game: A player scores $(p + 6)$ points in each game for 4 games. Write an expression and solve for $p = 8$.