

Name _____

Word Problems Using the Distributive Property Answer Key

1. $6(3 + 2) = 18 + 12 = 30$ items total
2. $4(25x + 75) = 100x + 300$
3. $5(10 + 2x) = 50 + 10x$
4. $8(4 + 3) = 32 + 24 \rightarrow$ **32 notebooks and 24 folders**
5. $3(35 + 5x) = 105 + 15x$
6. $7(2 + 4) = 14 + 28 \rightarrow$ **14 tubes of paint and 28 brushes**
7. $9(x + 5) = 9x + 45$
8. $4(20 + 15x) = 80 + 60x$