

Practice 3-6

The Distributive Property

Use the Distributive Property to write an equivalent expression for each of the following.

1. $6(x + 7)$

2. $8(7 + 9p)$

3. $(5n + 12) \times 4$

4. $6(7c + 4d + 11)$

Factor each expression. Check your solution.

5. $27 + 33$

6. $30 + 72$

7. $45 + 55 + 20$

8. $12 + 56$

9. $56 + 120$

10. $27 + 63 + 54$

11. $4x + 18$

12. $65 + 15x$

13. $15b + 24c + 33$

14. The auditorium at the School for the Arts has 7 rows of seats, and each row has 102 seats in it. Use the Distributive Property to find the number of seats in the auditorium.

15. A movie theater charges \$5.50 for a student ticket. Use the Distributive Property to find the cost for 8 students.

16. Samantha has saved \$35 from doing chores around the house. She buys 5 packs of gum and 8 packs of erasers from the school store. Use the Distributive Property to find how much Samantha spent at the school store. How much change should she receive from the cashier?

Item	Cost per pack
Pencils	\$3.00
Erasers	\$1.75
Gum	\$2.50
Taffy	\$2.00