

Practice

The Distributive Property

Use the distributive property to rewrite each expression.

1. $5(2x + 7)$

2. $6x - 6y$

3. $3(m + n)$

4. $3p - 3q$

Simplify each expression, if possible. If not possible, write in simplest form.

5. $2x + 8x$

6. $17j + j$

7. $4ab + ab$

8. $2x^2 + 6x^2$

9. $16m - 10m$

10. $5t^3 - 3t^3$

11. $15i^2 - 15i^2$

12. $3(5 + 2h)$

13. $5(r + 2) + 7r$

14. $a + b + a + c$

15. $6x + 7(y + x)$

16. $3(r + 2s) - 3r$

17. $10c + 5c + 6d + d$

18. $(x + 5)y + 2y$

19. $7rs + 2rs + 3rs$

20. $w + 14w - 6w$

21. $4.5v + 23v + v$

22. $3r^2 + 6r + 2s^2$

23. $c^2 + 4d^2 + d^2 + 3d$

24. $\frac{1}{3}n + \frac{2}{5}n$

25. $a + \frac{1}{3}b + \frac{4}{3}a + \frac{4}{3}b$

26. $35a + 5n + 2(n - 1)$