

Excellence

1. A student says $3x + 2x = 5x^2$. Are they correct? Explain.
2. A student says $7a - 3a = 4$. Are they correct? Explain.
3. Simplify $4x + 3y + 2x - y$.
4. Simplify $9m - 2n - 5m + n$.
5. Simplify $6p + 4 - p + 7$.
6. Simplify $12q - 3 + 2q + 8$.
7. Simplify $5r + 2s + 3r - s$.
8. Simplify $11t - 4t + 6 - 1$.
9. Fill in the blank: $\square x + 4x = 13x$.
10. Fill in the blank: $15y - \square y = 6y$.

- 11.** Fill in the blank: $3a + 2b + \square a = 10a + 2b$.
- 12.** Which is greater: $4x + 6x$ or $7x + 2x$?
- 13.** Which does not belong: $2m + 3m$, $7m - 2m$, $4m + 5n$, $6m - m$?
- 14.** Write two different expressions that both simplify to $8k$.
- 15.** Write an expression with x and y terms that simplifies to $5x + 2y$.
- 16.** Explain why $2a + 3b + a$ simplifies to $3a + 3b$.
- 17.** Is $5c + 2 + 3c + 4$ equal to $8c + 6$? Explain briefly.
- 18.** A perimeter is $3x + 2 + 4x + 5$. Simplify the expression.