

Variables and Expressions

For questions 1–4, use a variable to write an algebraic expression that represents the word phrase.

1. a number of apples divided into 12 baskets _____
2. 5 more than s _____
3. three times the cost for one hat _____
4. nine fewer than the total number of people _____

For 5–7, translate each algebraic expression into words.

5. $3 + w$ _____
6. $8x$ _____
7. $40 - p$ _____
8. Write two different word phrases for the expression $\frac{t}{30}$.

9. **Number Sense** Do $5 + x$ and $x + 5$ represent the same expression? Explain.

10. **Think About the Process** Dan is 12 in. taller than Jay. Use x for Jay's height. Which expression shows Dan's height?

A $x + 12$

B $x - 12$

C $12x$

D $\frac{x}{12}$

11. **Explain It** Explain what the expression $6x$ means.
