Variables and Expressions

For questions **1** through **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** through **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. Do $5 + x$ and $x + 5$ represent the same expression? Explain.

   _____

   _____

10. 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 what the expression $6x$ means.

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