LESSON
11-1

Modeling Equivalent Expressions

Practice and Problem Solving: D

Circle the letter of the correct answer. The first one is done for you.

solution: result: answer

1. Which of the following is the **solution** to an addition problem?

   Ⓐ sum

   B plus

   C add

2. Which word phrase represents the following expression $n - 3$?

   A the quotient of n and 3

   B 3 less than n

   C n less than 3

3. Which word phrase represents the following expression $5m$?

   A 5 fewer than m

   B m groups of 5

   C m divided by 5

4. Which of the following is the **solution** to a multiplication problem?

   A quotient

   B factor

   C product

5. Which word phrase represents the following expression $r \div 6$?

   A the product of r and 6

   B the quotient of r and 6

   C take away 6 from r

6. Which word phrase represents the following expression $3 + p$?

   A 3 increased by p

   B 3 decreased by p

   C the difference of 3 and p

Match the algebraic expressions A–E to Exercises 7–12. Some letters may be used more than once. Some letters may not be used at all. The first one is done for you.

$$\textbf{A. } 9x \qquad \textbf{B. } 9 + x \qquad \textbf{C. } x - 9 \qquad \textbf{D. } x \div 9 \qquad \textbf{E. } 9 - x$$

7. 9 less than x   __C__

9. the sum of 9 and x ____

11. x more than 9   ____

8. the quotient of x and 9   ____

10. the product of 9 and x ____

12. x decreased by 9   ____

Solve.

13. Nicole had 38 beads. She lost some of them. This can be modeled by the expression $38 - x$. What does x represent?

   _____

14. Wilhelm bought some shirts. He paid $12 for each shirt. This can be modeled by the expression $12x$. What does x represent?

   _____