LESSON 11-1 Modeling Equivalent Expressions

Practice and Problem Solving: A/B

Solve.

1. Jessica rode 9 miles farther than Roger rode. Let *r* represent the number of miles Roger rode. Write an expression for the number of miles Jessica rode.

   _____

2. Let *m* represent the number of children playing soccer. Those children are separated into 4 equal teams. Write an expression for the number of children on each team.

   _____

3. Glenda bought some apps for her tablet. Each app cost $5. Let *n* represent the number of apps she bought. Write an expression to show the total amount she spent.

   _____

Write each phrase as a numerical or algebraic expression.

4. 25 multiplied by 3

   _____

5. 3 added to *n*

   _____

6. *r* divided by 8

   _____

7. the product of 7 and *m*

   _____

8. the difference between 48 and 13

   _____

9. the quotient of 18 and 3

   _____

10. 189 subtracted from *t*

   _____

11. the sum of *w* and 253

   _____

Write two word phrases for each expression.

12. $t + 23$ _____

13. $45 - n$ _____

Solve.

14. Write an expression that has two terms. Your expression should have a variable and a constant.

   _____