

## HOMEWORK

Write as a numerical expression. Then simplify.

1. 2 times 3, plus 10 \_\_\_\_\_
2. 3 times the sum of 4 and 7 \_\_\_\_\_
3. 12 divided by 2, minus the sum of 3 and 1 \_\_\_\_\_

Write as an algebraic expression. Use  $n$  as the variable.

4. 24 times the sum of a number and 3.5 \_\_\_\_\_
5.  $\frac{1}{2}$  a number, minus 1 \_\_\_\_\_

Write as a word phrase.

6.  $100 + 625 \div 125$  \_\_\_\_\_
7.  $385 \div (y - 7)$  \_\_\_\_\_
8.  $\frac{n}{99} - 5$  \_\_\_\_\_

### Problem Solving

9. Natalie buys a package of 8 cycling classes that cost \$9 each. She also pays a one-time \$3 registration fee. How much does Natalie spend in all? Show your numerical expression.  
\_\_\_\_\_

10. Write a story scenario for the expression  $8n + 11$ . Make sure you define the variable  $n$ .  
\_\_\_\_\_  
\_\_\_\_\_

### Write About It

11. A store owner orders 35 embroidered bags. The bags cost \$10.95 each plus a delivery fee for the entire order. Can you determine the exact dollar amount the owner pays? Use an expression to explain.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_