

**1-4****Skills Practice*****The Distributive Property***

Use the Distributive Property to rewrite each expression. Then evaluate.

1.  $4(3 + 5)$

2.  $2(6 + 10)$

3.  $5(7 - 4)$

4.  $(6 - 2)8$

5.  $5 \cdot 89$

6.  $9 \cdot 99$

7.  $15 \cdot 104$

8.  $15\left(2\frac{1}{3}\right)$

Use the Distributive Property to rewrite each expression. Then evaluate.

9.  $(a + 7)2$

10.  $7(h - 10)$

11.  $3(m + n)$

12.  $2(x - y + 1)$

Simplify each expression. If not possible, write *simplified*.

13.  $2x + 8x$

14.  $17g + g$

15.  $2x^2 + 6x^2$

16.  $7a^2 - 2a^2$

17.  $3y^2 - 2y$

18.  $2(n + 2n)$

19.  $4(2b - b)$

20.  $3q^2 + q - q^2$

Write an algebraic expression for each verbal expression. Then simplify, indicating the properties used.

21. The product of 9 and  $t$  squared, increased by the sum of the square of  $t$  and 2

22. 3 times the sum of  $r$  and  $d$  squared minus 2 times the sum of  $r$  and  $d$  squared