

TEKS 8.14.A



LESSON

1-1

Practice**Variables and Expressions****Evaluate each expression for the given value of the variable.**

1. $6x + 2$ for $x = 3$

2. $18 - a$ for $a = 13$

3. $\frac{1}{4}y$ for $y = 16$

4. $9 - 2b$ for $b = 3$

5. $44 - 12n$ for $n = 3$

6. $7.2 + 8k$ for $k = 2$

7. $20(b - 15)$ for $b = 19$

8. $n(18 - 5)$ for $n = 4$

Evaluate each expression for the given value of the variables.

9. $2x + y$ for $x = 7$ and $y = 11$

10. $4j - k$ for $j = 4$ and $k = 10$

11. $9a - 6b$ for $a = 6$ and $b = 2$

12. $5s + 5t$ for $s = 15$ and $t = 12$

13. $7(n - m)$ for $m = 4$ and $n = 15$

14. $w(14 - y)$ for $w = 8$ and $y = 5$

If q is the number of quarts of lemonade, then $\frac{1}{4}q$ can be used to find the number of cups of lemonade mix needed to make the lemonade. How much mix is needed to make each amount of lemonade?

15. 2 quarts

16. 8 quarts

17. 12 quarts

18. 18 quarts

19. If m is the number of minutes a taxi ride lasts, then $2 + 0.35m$ can be used to find the cost of a taxi ride with Bill's Taxi Company.

How much will it cost for a 12-min taxi ride? _____