

7.1 Exercises



Vocabulary and Concept Check

1. **VOCABULARY** How are expressions and equations different?

2. **DIFFERENT WORDS, SAME QUESTION** Which is different? Write “both” equations.

4 less than a number n is 8.

A number n is 4 less than 8.

A number n minus 4 equals 8.

4 subtracted from a number n is 8.

3. **OPEN-ENDED** Write a word sentence for the equation $28 - n = 5$.

Write the word sentence as an equation.

10. 54 equals 9 more than a number t . _____

12. 11 is the quotient of a number y and 6. _____

14. **ERROR ANALYSIS** Describe the error in writing the sentence as an equation.



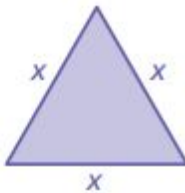
A number n is 5 more than 12.
 $n + 5 = 12$

16. **GOLF** You hit a golf ball 90 yards. It travels three-fourths of the distance to the hole. Write an equation you can use to find the distance d from the tee to the hole.

See diagram textbook page 298. _____

GEOMETRY Write an equation that you can use to find the value of x .

17. Perimeter of triangle: 16 in.





19. **MUSIC** You sell instruments at a Caribbean music festival. You earn \$326 by selling 12 sets of maracas, 6 sets of claves, and x *djembe* drums. Write an equation you can use to find the number of *djembe* drums you sold.



Fair Game Review what you learned in previous grades & lessons

Evaluate the expression when $a = 7$. (Section 3.1)

23. $6 + a$

24. $a - 4$

25. $4a$

26. $\frac{35}{a}$

27. **MULTIPLE CHOICE** Which expression is equivalent to $8(x + 3)$? (Section 3.4)

(A) $8x + 3$

(B) $8x + 24$

(C) $8x + 11$

(D) $x + 24$

23. _____

24. _____

25. _____

26. _____

