

Practice 3-3

Writing Algebraic Expressions

Write two word phrases for each variable expression.

1. $5m$

2. $8 + b$

3. $q \div 15$


4. $c - 10$

5. $18 \div a$

6. $27 - m$

7. You buy 5 bags of peanuts to share with your friends. Each bag contains p ounces of peanuts. How many ounces of peanuts did you buy? Draw a model for this situation. Then write an expression to describe the relationship.

8. Write an expression to describe the relationship of the data in the table.

n	
15	19
20	24
25	29

Write a variable expression for each word phrase.

9. nine less than t

10. eleven more than a number

11. the quotient of 700 and a number

12. two times the number of windows

13. b divided by seven

14. 81 increased by n

15. twelve times the number of muffin pans

16. \$15 times the number of hours

17. 8 less than the product of k and 3

PRACTICE

1. Identify the constant(s) and variable(s) in the algebraic expression $t - 4n + 2$.

Constant(s) _____ Variable(s) _____

2. Circle the algebraic expression(s) in the list below.

180 + 25 $x - 79$ $7(12)$ $a + b$ -220 $13t$ $\frac{n}{16}$ $24 - 3h$ $\frac{4}{7}$ r

Write each phrase as an algebraic expression.

3. n divided by 8 _____
4. p multiplied by 4 _____
5. b plus 14 _____
6. 90 times x _____
7. a take away 16 _____
8. k less than 24 _____
9. 3 groups of w _____
10. the sum of 1 and q _____
11. the quotient of 13 and z _____
12. c added to 45 _____

Write a phrase in words for each algebraic expression.

13. $m + 83$ _____
14. $42s$ _____
15. $\frac{9}{d}$ _____
16. $t - 29$ _____
17. $2 + g$ _____
18. $11x$ _____
19. $\frac{h}{12}$ _____
20. $5 - k$ _____

21. Kayla's score on yesterday's math test was 12 points greater than Julianne's score. Let k represent Kayla's score. Write an algebraic expression to represent Julianne's score.
- _____
- _____
22. The town of Rayburn received 6 more inches of snow than the town of Greenville. Let g represent the amount of snow in Greenville. Write an algebraic expression to represent the amount of snow in Rayburn.
- _____
- _____
23. Abby baked 48 cookies and divided them evenly into bags. Let b represent the number of bags. Write an algebraic expression to represent the number of cookies in each bag.
- _____
- _____
24. Eli is driving at a speed of 55 miles per hour. Let h represent the number of hours that Eli drives at this speed. Write an algebraic expression to represent the number of miles that Eli travels during this time.
- _____