

Practice 3-1

Evaluating and Writing Algebraic Expressions

Evaluate each expression using the values $m = 7$, $r = 8$, and $t = 2$.

1. $5m - 6$

2. $4m + t$

3. $r \div t$

4. $m \times t$

5. $5t + 2m$

6. $r \times m$

7. $3m - 5t$

8. $(m \times r) \div t$

9. mrt

10. Write an algebraic expression for the n th term of the table below.

A	0	1	2	3	4	5	n
B	3	5	7	9	11	13	?

Write a word phrase for each algebraic expression.

11. $n + 16$

12. $3.2n$

13. $25.6 - n$

14. $n \div 24$

15. $\frac{45}{n}$

16. $15.4 - n$

Write an algebraic expression for each word phrase.

17. 12 more than m machines

18. six times the daily amount of fiber f in your diet

19. your aunt's age a minus 25

20. the total number of seashells s divided by 10

21. You and four friends plan a surprise party. Each of you contributes the same amount of money m for food.

a. Write an algebraic expression for the total amount of money contributed for food. _____

b. Evaluate your expression for $m = \$5.25$. _____