

1-1**Practice**

Form G

Variables and Expressions**Write an algebraic expression for each word phrase.**1. 10 less than x 2. 5 more than d 3. 7 minus f 4. the sum of 11 and k 5. x multiplied by 66. a number t divided by 37. one fourth of a number n 8. the product of 2.5 and a number t 9. the quotient of 15 and y 10. a number q tripled11. 3 plus the product of 2 and h 12. 3 less than the quotient of 20 and x **Write a word phrase for each algebraic expression.**13. $n + 6$ 14. $5 - c$ 15. $11.5 + y$ 16. $\frac{x}{4} - 17$ 17. $3x + 10$ 18. $10x + 7z$ **Write a rule in words and as an algebraic expression to model the relationship in each table.**

19. The local video store charges a monthly membership fee of \$5 and \$2.25 per video.

Videos (v)	Cost (c)
1	\$7.25
2	\$9.50
3	\$11.75

1-1

Practice (continued)

Form G

Variables and Expressions

20. Dorothy gets paid to walk her neighbor's dog. For every week that she walks the dog, she earns \$10.

Weeks (w)	Pay (p)
4	\$40.00
5	\$50.00
6	\$60.00

Write an algebraic expression for each word phrase.

21. 8 minus the quotient of 15 and y
22. a number q tripled plus z doubled
23. the product of 8 and z plus the product of 6.5 and y
24. the quotient of 5 plus d and 12 minus w
25. **Error Analysis** A student writes $5y \cdot 3$ to model the relationship *the sum of $5y$ and 3*. Explain the error.
26. **Error Analysis** A student writes *the difference between 15 and the product of 5 and y* to describe the expression $5y - 15$. Explain the error.
27. Jake is trying to mail a package to his grandmother. He already has s stamps on the package. The postal worker tells him that he's going to have to double the number of stamps on the package and then add 3 more. Write an algebraic expression that represents the number of stamps that Jake will have to put on the package.