## 1-1 Practice

Form G

**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 6

**6.** a number $t$ divided by 3

**7.** 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 $q$ tripled

**11.** 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.** $\dfrac{x}{4} - 17$

**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*

**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.