

Practice 7.1

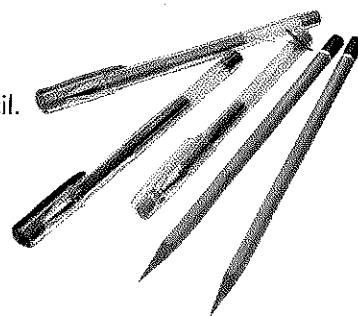
Write an algebraic expression for each of the following.

- 1 The sum of 4 and p .
- 2 The difference "8 less than q ".
- 3 The product of 3 and r .
- 4 The quotient of s and 5.
- 5 Cheryl is now x years old.
 - a) Her father is 24 years older than Cheryl. Find her father's age in terms of x .
 - b) Her brother is 2 years younger than Cheryl. Find her brother's age in terms of x .
 - c) Her sister is twice as old as Cheryl. Find her sister's age in terms of x .
 - d) Her cousin is $\frac{1}{3}$ Cheryl's age. Find her cousin's age in terms of x .
- 6 Multiply k by 5, and then add 3 to the product.
- 7 Divide m by 7, and then subtract 4 from the quotient.
- 8 Divide j by 9, and then multiply the quotient by 2.
- 9 The sum of $\frac{1}{3}$ of z and $\frac{1}{5}$ of z .

Solve.

- 10 Jeremy bought 5 pencils for w dollars. Each pen costs 35¢ more than a pencil. Write an algebraic expression for each of the following in terms of w .

- a) The cost, in dollars, of a pen.
- b) The number of pencils that Jeremy can buy with \$20.



- 11 The figure shown is formed by a rectangle and a square. Express the area of the figure in terms of x .

