

# Lesson 4 Homework Practice

## *Algebra: Write Expressions*

**Define a variable. Then write each phrase as an algebraic expression.**

1. nine less than a number
2. five times the number of books in the library
3. three more pancakes than his brother ate
4. two more than seven times Lynn's age
5. 9 minutes less than Frances' time
6. **SPORTS** The distance around a basketball, or circumference, is about three times the circumference of a softball. Define a variable and write an expression to represent the circumference of a basketball.
7. **PLUMBING** A plumber charges \$50 to visit a house plus \$40 for every hour of work. Define a variable and write an expression to represent the total cost of hiring a plumber.
8. **CAMPING** A camp leader figures that she needs one tent for every three campers, plus a tent for herself. Define a variable and write an expression to represent the number of tents needed.