Lesson 5 Homework Practice

Write Algebraic 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. 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. 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. 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.