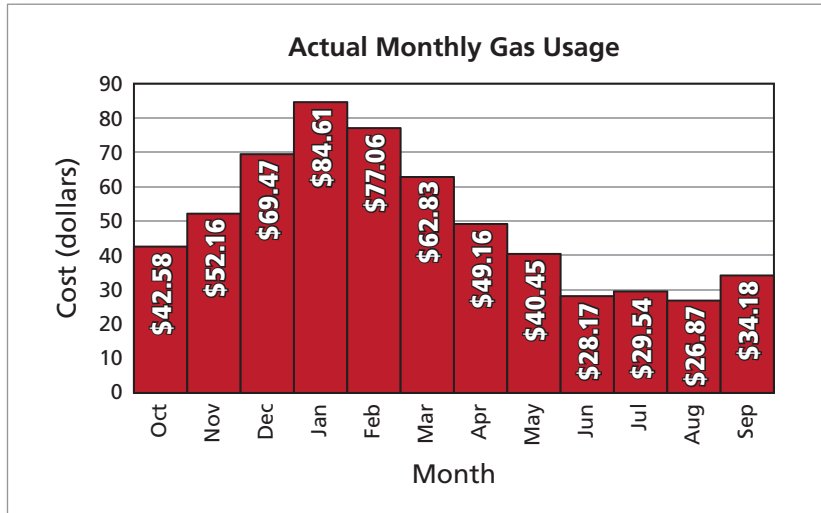


1.1 Exercises

DATA **Equal-Payment Plan** In Exercises 1 and 2, use the graph. (See Example 1.)

- From October through August, on an equal-payment plan, you pay \$50 each month on your gas bill. How much do you owe in September?
- You are on an equal-payment plan. What is the least amount that you can pay each month from October through August to owe nothing in September?



DATA **Equal-Payment Plan** In Exercises 3 and 4, use the table. (See Example 1.)

Actual Monthly Electric Usage											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
\$84.02	\$86.59	\$77.65	\$72.10	\$68.26	\$62.06	\$63.47	\$65.19	\$60.12	\$67.61	\$75.36	\$81.98

- From January through November, on an equal-payment plan, you pay \$75 each month on your electric bill. How much do you owe in December?
- You are on an equal-payment plan. What is the least amount that you can pay each month from January through November to owe nothing in December?

Old-Fashioned Pink Lemonade
* 1 1/2 cups white sugar
* 6 3/4 cups water
* 1 1/2 cups fresh lemon juice
* 3/4 cup cranberry juice

- Pink Lemonade** There are 774 calories in a cup of sugar, 65 calories in a cup of fresh lemon juice, and 137 calories in a cup of cranberry juice. (See Example 2.)

 - How many calories are in the old-fashioned pink lemonade recipe?
 - This recipe makes nine servings. How many calories are in one serving?

- Fudge** There are 99 calories in an ounce of cream cheese, 12 calories in a teaspoon of vanilla extract, 389 calories in a cup of powdered sugar, and 145 calories in a square of chocolate. Salt has 0 calories. (See Example 2.)

 - How many calories are in the fudge recipe?
 - This recipe uses an 8-inch by 8-inch dish. How many calories are in a 1-inch by 1-inch piece of fudge?

Homemade Fudge
* 6 oz cream cheese, softened
* 1/8 tsp salt
* 1/2 tsp vanilla extract
* 4 cups powdered sugar, sifted
* 4 squares unsweetened chocolate