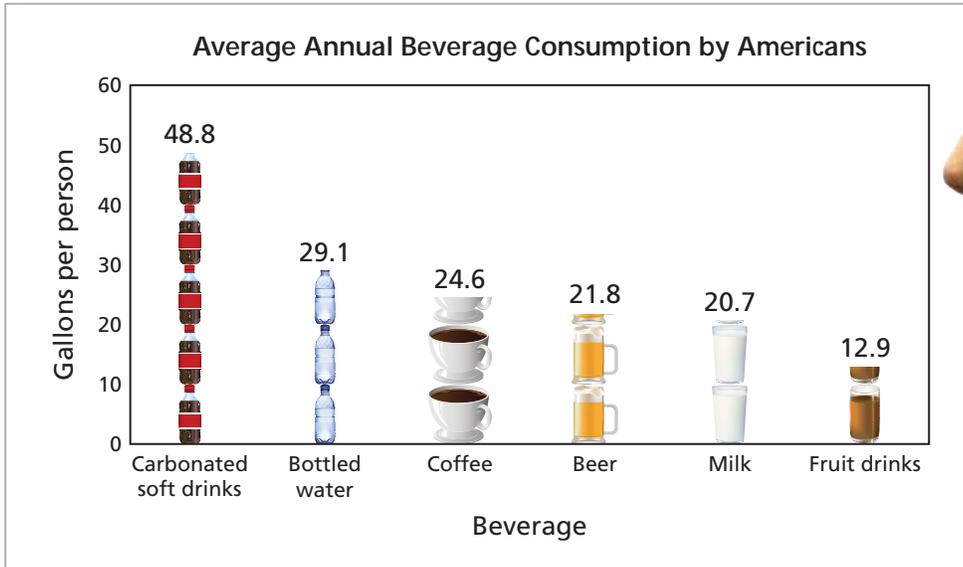


Beverage Consumption In Exercises 11–14, use the graph. (See Examples 5 and 6.)



Some brands of bottled water indicate on the label that the water is from a public water source. This means that the bottle contains purified tap water.

11. At a discount store, fruit drinks average \$1.08 less per gallon than at a supermarket. A family of four people purchases all of its fruit drinks at the discount store. Estimate the annual savings.
12. At a discount store, ground coffee averages \$0.10 less per ounce than at a supermarket. Four college roommates purchase all their ground coffee at the discount store. Estimate the annual savings. (7.68 ounces of ground coffee make 1 gallon of coffee.)
13. At a supermarket, a 24-pack of 16.9-fluid-ounce bottles of water costs \$4.99.
 - a. At a discount store, a 35-pack of 16.9-fluid-ounce bottles of water costs \$4.49. Suppose you buy all your bottled water at the discount store instead of at the supermarket. How much will you save per year?
 - b. Your tap water rate is \$2.62 per 1000 gallons of water. Suppose you use tap water instead of buying bottled water at the supermarket. How much will you save per year?
14. You use 0.5 fluid ounce of coffee creamer with each 6-fluid-ounce “cup” of coffee. The creamer that you use costs \$2.19 for 16 fluid ounces. You can make homemade coffee creamer using the recipe shown.

Homemade Coffee Creamer (Makes 22 fluid ounces)

* 1 14-oz can sweetened condensed milk	(\$1.49)
* 1½ cups milk	(\$0.29)
* 1 tbsp vanilla extract	(\$0.70)

Preparation: Pour the ingredients into a jar and shake well.

- a. Estimate how much you could save annually by making your own creamer.
- b. The vanilla extract is optional. Estimate how much you could save annually by making your own creamer without the vanilla instead of buying the creamer at the store.