

4. a. You are visiting Canada and you want to exchange \$150 for Canadian dollars. The rate of currency exchange is 1.4 Canadian dollars per U.S. dollar. Find how many Canadian dollars you will receive.

$$\begin{array}{l} \text{can.} \\ \text{us} \end{array} \frac{x}{150} = \frac{1.4}{1}$$

$$\$ 210 = x$$

b. When you leave Canada you want to find how much you can get in U.S. dollars. The rate of currency exchange is now 1.3 Canadian dollars per U.S. dollar.

$$\begin{array}{l} \text{can} \\ \text{us} \end{array} \frac{210}{x} = \frac{1.3}{1}$$

$$1.3x = 210$$

$$x \approx \$ 161.54$$

5. What percent of the votes for Bob Dole came from California?

Votes: 39,197,469
CA Votes: 3,828,380

$$\frac{3828380}{39197469}$$

part
whole

$$9.76\% \text{ or } 10\%$$

6. About 74% of water used in houses is used in bathrooms, about 5% in kitchens, and about 21% in other places. About 9 gallons are used in the kitchen each day. Estimate the total gallons used each day.

$$\begin{array}{r} \downarrow \\ 74 \\ 5 \\ \hline 21 \\ 100\% \end{array}$$

kitchen

$$\frac{9}{x} = \frac{5}{100}$$

$$\frac{900}{5} = x$$

$$x = 180 \text{ gal.}$$