

**8.** During a trip to Nova Scotia, Tina's American relatives pay C\$1.346/L for 45 L of gas.

- a)** How much do they pay for the gas in Canadian funds?
- b)** When they buy the gas, the station owner used the bank buy rate of \$0.9976. How much does the gas cost them in U.S. funds?
- c)** Show another way to calculate b).

**9.** Henry sees that 950 g of ground beef is on sale at The Grocery Stop for \$8.98. At The Cost Club, 3.4 kg is selling for \$33.00.

- a)** Which package of ground beef has the lower unit price?
- b)** The Cost Club reduces the price of their ground beef to \$29.70. What is the percent decrease?
- c)** Which size has the lower unit price now?
- d)** What else should Henry consider when buying the beef?

**10.** Use the following values to answer this question.

- federal income tax = 15% for the first \$43 561 of taxable income + 22% of additional income up to \$87 123
  - provincial income tax = 8.79% for the first \$29 590 of taxable income + 14.95% on the next \$29 590
  - CPP = 4.95% of gross income minus \$3500, to a maximum of \$2356.20
  - EI = 1.88% of gross income, to a maximum of \$891.12
- a)** Madison regularly works 40 hours per week at \$10.90/h and 8 hours at \$29.95/hr. She works 49 weeks per year and gets three weeks of paid holidays for which she is paid the equivalent of her regular hours. What is her gross annual pay?
  - b)** How much CPP and EI does she pay annually?
  - c)** What does she pay in income tax if her employer deducts \$25 per week for an RRSP? Assume a tax credit of \$11 038 for federal income tax and \$8481 for provincial income tax.

