









8. Use the following chart to calculate the cost of buying 2 T-shirts, 2 pairs of shoes, and 4 pairs of jeans.

Clothing Article	Wholesale Price	Markup
T-Shirt	\$17.50	15%
Shoes	\$77.50	65%
Jeans	\$45.00	30%

9. Pablo is visiting Canada from Mexico. He is renting a hotel room for 4 nights in Vancouver. The cost of the hotel room is \$75.00 CAD per night. Pablo exchanges his pesos for Canadian dollars at a bank in Canada. The bank buys pesos at \$0.19779 CAD and sells pesos at \$0.08087 CAD. How much will the hotel cost him, in pesos?
10. You have 497.94 British pounds, which you are exchanging for Canadian dollars at a bank in Canada.
- Do you have more or less money than is needed to purchase a new TV that sells for \$1225.00 CAD?
  - How much more money do you need or have extra, in pounds?

Country	Currency	Buying Rate	Selling Rate
Great Britain	Pound (GBP)	1.8413	1.9681

### Problem

- Howard works as a carpenter. He has been asked to check if the grade of the ramp leading into the public library is safe for wheelchair access. In order to be safe, the ramp must have a ratio of height to length no greater than 1:12. Howard measures the ramp to be 20 feet long and 2 feet high. Find the ratio of height to length. Is the ramp safe for wheelchair use?
- You are having a party and need to purchase pop for 44 people. You estimate each person will drink 2 cans of pop. You can purchase single cans for \$0.59, 6 cans for \$3.43, 12 cans for \$6.73, or 24 cans for \$13.17. How much will it cost to buy the pop for the party without having any extra pop left over?
- Three grocery stores have advertised their price for packages of pork chops:

Store A	\$3.25/500 g
Store B	\$5.85/kg
Store C	\$11.38/2 kg

- What is the unit price of pork chops at each store, per gram? Give your answer to 4 decimal places.
- What is the cheapest way to purchase 3.5 kg without any wasted meat?

Name: \_\_\_\_\_

ID: A

4. Use the following table to calculate the cost of buying 5 T-shirts, 2 pairs of shoes, and 6 pairs of jeans.

Clothing Article	Regular Price	Discount
T-Shirt	\$20.00	15% off all T-shirts!
Shoes	\$92.50	Buy one pair, get one half off!
Jeans	\$45.00	Buy one, get one free!

5. You have 1 500 000 won, 674 francs, and 470 USD. How much is that worth in \$CAD?

Canadian Bank Foreign Exchange Rates for Buying and Selling			
Country	Currency	Buying Rate	Selling Rate
South Korea	Won (KRW)	0.000 774	0.001050
Switzerland	Franc (CHF)	1.0213	1.1085
United States	Dollar (USD)	1.1210	1.1810