Chapter 1 Warm-Up

Section 1.1 Warm-Up

1. Round 2.564 m to the nearest tenth.

2. Round $18.765 to the nearest cent.

3. Select $<$, $>$, or $=$ for the following: 13.06 _____ 13.50

4. Solve: $\dfrac{x}{8} = \dfrac{6}{24}$

5. Estimate and calculate 20% of 360.

Section 1.2 Warm-Up

1. Estimate, and then calculate the unit price of 4 packs of gum for $2.99.

2. Estimate, and then calculate the cost of 250 g of almonds costing $0.99/100 g.

3. What is the original unit price and the new unit price of a 1.25-kg jar of peanut butter that is reduced from $4.99 to $3.49?

4. What is the percent decrease in the cost of peanut butter in #3?

5. Predict, and then calculate which size has the lower unit price: 120 vitamin C tablets for $10.99, or 90 tablets for $9.99.

Section 1.3 Warm-Up

1. One day, C$1 was worth approximately £0.625. On that day, how many British pounds would you get for C$300?

2. You have £450 on a day when £1 is worth approximately C$1.51. How many Canadian dollars will you get for your British pounds?

Use the exchange rates from the following chart for #3 to #5. Note that exchange rates change every day. These rates are just an example.

Canadian Dollar		
	C$1	**in C$**
US dollar	0.991051	1.00903
Euro	0.727323	1.37490
Russian ruble	30.979	0.03228

3. Convert C$650 to US dollars.

4. Convert US$145 to Canadian dollars.

5. Which amount has the greatest value in Canadian dollars?
   - 100 US dollars
   - 75 euros
   - 3000 Russian rubles