Chapter 4 Warm-Up

Section 4.1 Warm-Up

1. Round $31 378.63 to the nearest hundred dollars.

2. Round 73.55% to the nearest tenth of a percent. Then, write it as a decimal.

3. Estimate $\dfrac{189.90}{2050}$ as a percent. Then, calculate the percent.

4. Scott is saving for a vacation. Every payday he saves 10% of his net pay. He brings home $876.50 every two weeks.
   a) Calculate Scott's savings each paycheque.
   b) Calculate how much Scott will save in one year.

5. Sonya's oil bills for last year totalled $4256.24. What was her average monthly bill?

Section 4.2 Warm-Up

1. Determine the monthly payment on a $19 958 vehicle, including taxes, with an interest rate of 3.9% for 48 months.

2. Determine the total amount paid for the vehicle in #1.

3. Determine the total interest paid on the vehicle in #1.

4. If the vehicle in #1 depreciates by 20% each year, what is the vehicle worth when the payments are finished?

5. If the vehicle in #1 is leased, determine the extra cost for 18 723 additional kilometres at $0.12/km.

Section 4.3 Warm-Up

1. Patricia's monthly car payment is $152.75. Her licence is $140 annually, and her insurance premium is $1200 per year. What is Patricia's annual fixed cost?

2. What is Patricia's annual fixed cost once the car is paid off?

3. How many litres of gasoline are needed to travel a distance of 335 km if a vehicle's fuel consumption rate is 7.3 L/100 km?

4. Joshua purchases a car for $10 170.00, including taxes, at an interest rate of 5.8% for 5 years. His insurance is $1000 per year, and the licence fee is $140 annually. What is Joshua's annual fixed cost?

5. The cost to change tires is $15 per tire. What is the total cost, including taxes, to change four tires on a vehicle?