

Chapter 1 Test

Use the exchange rates from the following chart.

Canadian Dollar		
	C\$1	in C\$
US dollar	0.991051	1.00903
Euro	0.727323	1.37490

Use the following conversions

1 US gallon \approx 3.79 litres

1 cup \approx 0.24 litres

For #1 to #3, select the best answer.

- Which of the following has the lowest unit price?
 - 25 mL for \$0.58
 - 50 mL for \$1.08
 - 1750 mL for \$40.00
 - 1 L for \$35.00
- The standard oil barrel size is 42 US gallons. If an oil pipeline leaks approximately 100 barrels a day, which of the volumes below is closest to the number of litres leaked per day?
 - 400 L
 - 4200 L
 - 12 300 L
 - 16 000 L
- You have 50 euros. What is the closest equivalent in Canadian dollars?
 - \$36.30
 - \$68.95
 - \$68.00
 - \$69.80
- If the temperature of water is 10 °C, what is it in Fahrenheit to the nearest degree?
 - If the air temperature is 106 °F, what is it in Celsius to the nearest degree?
- Max sees that 450 g of ground beef is on sale for \$1.98 at the BCD Store and is regularly priced at \$3.99 per kilogram at the EFG Market.
 - What is the unit price of each? Which is cheaper?
 - The BCD Store raises the price of ground beef to \$2.49 for 450 grams. What is the percent increase to the nearest whole percent?
 - What else should Max consider before he decides which size to buy?



Name: _____

Date: _____

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(continued)

- 6.** Pres is going to set up a fish tank that he bought from an American manufacturer.
- a)** If the capacity is 650 US gallons, what is the capacity in litres?
 - b)** The floor under the tank must be strong enough to support it. A 650-gallon tank weighs approximately 5000 lb. What is that in kilograms, to the nearest kilogram?
 - c)** The temperature of the tank is set at 35 °F. What is this in Celsius to the nearest degree?
- 7.** A bus tour group is visiting Peggy's Cove from New York.
- a)** The driver pays \$142.32 for 120 L of gas. How many gallons of gas is this, to the nearest gallon?
 - b)** What is the cost per litre?
 - c)** If the price of gas in New York is C\$3.25 per US gallon, how much would a litre cost? Round your answer to the nearest hundredth.
- 8.** While shopping in Maine, Dick bought golf clubs for US\$1499.00 and shoes for US\$49.00. He needs to declare his purchases at the border.
- a)** How much did he spend in US dollars?
 - b)** What is the equivalent in Canadian dollars? Round your answer to the nearest dollar.
- 9.** A smoked salmon brine recipe calls for $\frac{1}{4}$ cup of maple syrup for every cup of soya sauce. Billy needs to make up 30 litres of brine to fill his container. What metric amount does Billy need?

