

LAST then FIRST Name

R4 – WORKING WITH RATES - 1

Block: _____

Show the process required to complete each problem to avoid receiving a zero grade. Neatness Counts!!! (Marks indicated in italicized brackets.)

REMEMBER TO USE GRID PAPER FOR ALL ASSIGNMENTS!!!

∞ Answer these questions using the appropriate conversion fractions.

- 1) Rob's Delivery service charges \$3.75/lb.
 - a) What will it cost you to ship a 12 kg package of chocolate to your grandma? (4)
 - b) How many kilograms of broccoli can you ship for \$20.00? (4)

- 2) In July 2017, \$1.00 Cdn was worth about \$0.77 US. Kim wanted to buy a pair of jeans. The price in Langley was \$124.99 Cdn. In Bellingham Washington, the price for the same pair of jeans was \$89.99 US.
 - a) What would the price in Canadian dollars be if Kim bought the jeans in Bellingham. (2)
 - b) Which place offers the better price for the jeans? Justify your answer. (1)
 - c) What is the difference in the price of the jeans? (1)

- 3) In June 2017 \$1.00 US was worth \$1.32 Canadian and the price of gas in Langley is \$1.39/L and the price of gas in Blaine, Washington is \$2.89/gal. If you must purchase 65 L of gasoline to fill your car:
 - a) Determine the cost of 65 L of gasoline in Langley in Canadian dollars. (2)
 - b) Determine the cost in Canadian dollars of purchasing 65 L of gasoline in Blain in 2017. (4)
 - c) Determine the difference in the cost of purchasing 65 L gasoline in Langley and in Blaine in Canadian. (1)
 - d) If the price of 65L of fuel is less in Blain, state whether or not you would travel to Blain to buy it. Explain your answer. (1)

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