

- c. Things just aren't working out for you! You are approaching a bridge with a set weight limit of 4000 lbs. Luckily your manual says your car weighs 1700 kg and you know that you and your friend combined weigh 300 pounds.
Can you cross the bridge? (1K, 2T, 1C)

- d. After all this math, you are thirsty and decide to stop for a drink and gas in Buffalo. You want a **can** of pop and your friend wants a **bottle**. The shop keeper does not like Canadians and demands that you specify how many fluid ounces of pop you would like. You remember that a can of pop in Canada holds 355 mL, and a bottle holds 591 mL. You also note that gas costs \$3.73/gal here and was 122.5 cents/L in Gravenhurst.

- i. How many fluid ounces of pop do each of you have to ask for?
(2K, 2C)

- ii Does gas cost more in Buffalo or in Gravenhurst? Show your work! (2A, 2T, 1C)

/6 K /6 A /8 C /4 T