MEL 3E – Grade 11 Workplace Mathematics Name: _____
Unit 6 Activity 6 Worksheet 1

Date: _____

Gas it up!

- *Karen is planning to purchase a used car but she first needs to consider what other expenses this might include.*
- *She will be using her car to drive to and from work and, occasionally, longer distances on the weekend.*
- *Answer the following questions.*

1. Karen lives 25 km from her work. If she works 5 days a week, calculate the number of kilometres she will drive in:

   one week _____ one month _____

2. Karen also visits friends that live out of town. She does this twice a month and the friends live about 40 km away. How far, in total, does Karen drive in a typical month? Show your calculations.

3. The original owner of the car informs Karen that the car's average fuel consumption is 8.2 L/100 km. Explain what this means.

   _____

   _____

4. How many litres of fuel will Karen use in a typical month? _____

5. What is the current price of regular unleaded fuel? _____

6. a) How much will it cost to fill a 40L gas tank? _____

   b) Approximately how far can she go on one full tank? _____

7. Determine how much Karen should expect to spend on fuel in:

   one month _____ one year _____

8. a) If gas prices go up 4¢ per litre, how much more will Karen spend on gas in a year? Show your calculations.

   b) What percentage increase is this? Show your calculations.