

Name: \_\_\_\_\_

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 (including work) does Karen drive in a typical month? \_\_\_\_\_

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? \_\_\_\_\_

b) What percentage increase is this? \_\_\_\_\_