Name: _____

Date: _____

Gas Up

1. Calculate the distance each vehicle could travel on one tank of gas:

Vehicle	Size of Tank (L)	Fuel Consumption (L/100km)	Distance Traveled on One Tank (km)
a	35	6.4	
b	60	10.2	
c	45	8.7	
d	50	9.5	
e	80	15	
f	40	7.8	

Show all calculations for questions 2 through 7.

2. Your car has an average fuel consumption of 6.8 L/100 km. How far will you be able to travel if your 55 L gas tank is *half* full?

3. Your car has an average fuel consumption of 8.2 L/100km. How far will you be able to travel with $20 of gas? Assume gas costs 65.9¢ per litre.

4. You are able to travel 621 km on a full tank of gas. Your tank holds 49 L. What is the rate of fuel consumption (in L/100 km) of your car for the trip?

Name: _____

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5. You put $20.00 of gas in your tank, at 75.9¢ per litre.

a) How many litres of gas did you get?

b) How far will you be able to travel if your fuel consumption rate is 7.4 L/100 km?

6. You notice that you are able to travel to work and back on about a quarter of a tank. If you live about 50 km from work, and your gas tank holds 52 L, what is the approximate fuel consumption of the car?

7. You are planning a trip that is 140 km.

a) If your car's fuel consumption rate is 9.5L/ 100km, how many litres of gas will you need for the trip?

b) If your gas tank holds 50L of gas, how many times will you need to fill up?

c) If gas costs 68.3¢/L how much will the gas for your trip cost you?