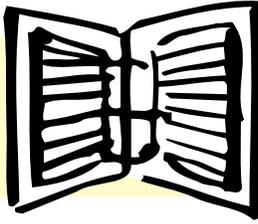


Name _____ Date _____

Class/Hour _____ Rotation # _____

Activity 9 Worksheet



Hospitality and Tourism Student Workbook

Follow the instructions in the workbook to complete this worksheet. Record the answers on the worksheet and turn in the worksheet to the instructor. Do not write inside the workbook.

Part I

Directions: Use the information on Google Maps to fill in the answers.

Shortest Route

Driving distance: _____

Trip duration: _____

Longest Route

Driving distance: _____

Trip duration: _____

Part II

Directions: Use the following equation and the information in the word problems to answer the questions. Round answers to the nearest whole number.

Miles per gallon (mpg) = miles traveled/gallons of gas used

SUV

You have an SUV with a 16 gallon gas tank. When you purchased the SUV, you were told that it averages about 25 miles per gallon on the highway. The average gas price is \$3.66/gallon.

1. About how many times will the gas tank need to be refilled? _____
2. When the trip is started, the SUV had 32, 162 miles. You stop to get gas and put 15 gallons of gas in the SUV. The trip odometer reads 32, 477. What is the mpg of the SUV? _____
3. If the calculated mpg is different from what the dealership estimated, what could account for the difference?

4. Calculate the total fuel cost for the trip. _____

Subcompact Car

You have a subcompact car with a 9.4 gallon gas tank. When you purchased the car, you were told that it averages about 38 miles per gallon on the highway. The average gas price is \$3.66/gallon.

5. About how many times will the gas tank need to be refilled? _____
6. When the trip is started, the car had 60, 303 miles. You stop to get gas and put 7.2 gallons of gas in the car. The trip odometer reads 60, 625. What is the mpg of the car? _____
7. If the calculated mpg is different from what the dealership estimated, what could account for the difference?

8. Calculate the total fuel cost for the trip. _____

