**Cars**

 How much energy does a car use? With a pinch of research and some conversions, we can find out! A car’s energy used per day can be found with the following formula:

$$Energy per Day=Distance per day ×Liters of fuel per unit distance ×Energy per unit fuel$$

 or by units:

$$\frac{Energy}{Day}= \frac{Distance(km)}{Day} ×\frac{Litres}{Distance} ×\frac{Energy}{Litre}$$

 Most cars run on gasoline, which has an energy density of \_\_\_\_\_\_\_\_\_\_\_\_. But we measure how much gasoline we use in litres! So we need to convert that. Gasoline has a density of approximately \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

(source: <http://www.wolframalpha.com/input/?i=density+of+gasoline>)

 So, we have one piece of information; let us estimate the distance a vehicle will travel in one day.

 The litres per distance depend on which car we use. What are some “average” values for cars?

Car:

SUV/Minivan:

Truck:

 Let’s assume the average person drives the average car on average the amount we estimated.

 Congratulations! It looks like transportation by car will take about \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Or it burns \_\_\_\_\_\_\_\_\_\_ bricks of butter.