

Name - \_\_\_\_\_

Start time - \_\_: \_\_

End time - \_\_: \_\_

Word problems:

1. A car gets 30 miles per gallon (mpg). How many liters of fuel does it consume to travel 100 kilometers? (Hint: 1 mile  $\approx$  1.60934 kilometers, and 1 gallon  $\approx$  3.78541 liters)
2. A hybrid car has a fuel efficiency of 50 miles per gallon (mpg). How many kilometers can it travel with 40 liters of fuel?
3. If a vehicle has a fuel efficiency of 8 kilometers per liter (km/L), what is its equivalent fuel efficiency in miles per gallon (mpg)? (Hint: 1 mile  $\approx$  1.60934 kilometers)
4. Your backyard is 500 square feet in size. What is this area in square meters? (Hint: 1 square foot  $\approx$  0.092903 square meters)
5. A rectangular garden in the United States measures 10 feet by 15 feet. If you want to calculate its area in square meters, where 1 square foot is approximately 0.092903 square meters, what is the area of the garden in square meters?
6. A flight from New York to London takes approximately 7 hours and 30 minutes. If you want to know how many minutes this is, how many minutes does the flight take?
7. \_\_\_\_\_ millimeters = 23 meters

1

2

3

4

5

6

7

8

9