

Name _____

PetroLog

Petroleum is another word for **gas**, the liquid that cars run on. Gas costs money! How much money do your parents spend on gas to drive you to school? Let's find out!

First, guess how much money your family will spend on gas driving you to school each day.

1 _____

Now, let's find the real cost. Here's the equation:

(total miles to travel/miles per gallon) x cost of gasoline = cost per year

How many miles is your house from school? To find out:

- Take the number of blocks and multiply by 1/8
- Ask a family member to measure the miles on their car's odometer
- Go to www.mapquest.com and enter your home address and the school's address

2 _____

Do you ride in a car to *and* from school? If so, double the number on line 2 and put that here because the car's driven twice per day. If not, put the same number from line 2.

3 _____

Now, multiply the number from line 3 by 170, the number of days in a school year. This is the **total number of miles to travel** per year.

4 _____

Enter the **miles per gallon (MPG)** your car gets. To find out:

- If you know the kind of car you have, go to www.fueleconomy.gov
- Ask one of your family members to help you find the MPG in the owner's manual of the car

5 _____

Divide the the number on line 4 by **MPG** (line 5) This is the number of gallons of gas the car uses each school year.

6 _____

How much does a gallon of gas cost? To find out:

- Go to a gas station and look at the sign
- Ask your parents if they know

7 _____

Multiply the number on line 7 by line 6. This is the amount your parents spend to drive you to school each year.

8 _____

How close was your guess?

-If the number on line 8 is bigger than the number on line 1, subtract line 1 from line 8.

-If the number on line 8 is smaller than the number on line 1, subtract line 8 from line 1.

9 _____

Can you help save money if you walk or bike to school on some days?
