

Name _____

Mileage Word Problems

1. Jon drove from Pittsburgh, PA to New York City, NY. The trip was 370 miles. He used 14.3 gallons of gas. What was his average mpg?
2. Kara is going to travel 519 miles from Denver, CO to Salt Lake City, UT. If she averages 27 mpg, how many gallons of gas can she expect to use?
3. Ayesha averages 24.5 mpg. She just filled up her 15 gallon tank with gas. She needs to drive another 380 miles. Will she have to stop for gas again or does she have enough to reach her destination?
4. A truck gets 18 mpg and has a 22 gallon tank. A car gets 29 mpg and has an 11 gallon tank. Which vehicle will be able to travel further on one tank of gas?
5. When Marcus leaves for vacation, he stops at the gas station to fill up his tank. His odometer reads 38,598 miles. When he returns home, he fills his tank at the same station, and his odometer now reads 39,324. Marcus used 28.3 gallons of gas during his trip. What was his average mpg?
6. Caroline is moving. Her rental truck averages 11 mpg. Her brother is driving her car that averages 31 mpg. She is moving to a city that is 465 miles away.
 - a. How many gallons of gas will the truck use?
 - b. How many gallons of gas will the car use?
 - c. If gas is \$2.86/gallon, how much money will she spend on gas for the truck and car?
7. Kaleb's car usually averages 29 mpg. Lately, something doesn't seem quite right with his car, so he decides to check the mpg. When he fills up his tank, his odometer reads 98,236. The next time he gets gas, it takes 12.3 gallons to fill up. His odometer reads 98,542. What is Kaleb's mpg this time?

8. Desiree kept her gas receipts from a work trip. She knows that her car averaged 32 mpg. She stopped at five gas stations. The gas receipts show she bought 8.1, 11.4, 9.8, 6.5, and 9.9 gallons of gas. About how many miles did Desiree travel?
9. Logan did a lot of city driving this week. He traveled 240 miles using 14.8 gallons of gas. Last week, he had to travel for work, which was mostly highway driving. He traveled 962 miles and used 40.1 gallons of gas.
- What was Logan's mpg this week in the city?
 - What was Logan's mpg last week on the highway?
10. You have the option of "500 miles worth" of free gas or "20 gallons" of free gas. Your car gets 28 mpg. Which option is a better deal for you?
11. You are driving from Chicago, IL to Atlanta, GA. This trip is 717 miles. You average 27 mpg.
- How many gallons of gas do you use?
 - If gas is \$2.85 per gallon, how much will it cost you to drive?
 - A plane ticket to Atlanta costs \$259. How much do you save by driving instead of flying?
12. Ethan is driving his family to the beach. It is 596 miles away. If he takes their more economical car, he will average 31 mpg. If he takes the more comfortable SUV, he will average 24 mpg.
- How many gallons of gas will Ethan use if he drives the car? (Calculate this for the roundtrip.)
 - How many gallons of gas will Ethan use if he drives the SUV? (Calculate this for the roundtrip.)
 - If gas is \$2.95 per gallon, how much will Ethan save by driving the car instead of the SUV?