

# What's the Rate?



You and two friends have driven 250 miles to Six Flags Over Texas at an average speed of 55 miles per hour. With the cost of gasoline at \$1.65 per gallon, you were glad to be driving a car that averaged 28 miles per gallon on the highway.

Make rate cards related to the measurements in this situation. Use these cards and dimensional analysis to determine the following.

1. Cost of gasoline for the trip
2. Cost in dollars per person
3. Speed in feet per second
4. Cents per yard traveled
5. Cents per ounce of gasoline

