Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Road Trip Challenge:

The USA is about 3,000 miles from coast to coast. There is a lot to see and explore, if you are the adventurous type. Gas prices are through the roof! You have been assigned the task to find out how much time and money it will take to go on the cross-country trip your family has always dreamed of.

Project Time Line

1. Monday- Pick a major east coast city to start at, two major cities to make stops at, and a west coast city to visit last.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Tuesday and Wednesday- Look up notes routes on mapquest.com and print your routes. You do not need to print the directions, only the route.

EX. New York to Austin,

Austin to Aspen

Aspen to San Francisco

3. Thursday-

Choose a vehicle to drive on your trip. If time allows print out a picture and specs for your vehicle.

Vehicle\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ex. Chevy Suburban

Average Highway Mileage\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ex. 23 miles per gallon

Fuel Tank Size-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ex. 31 gallons

4. Friday through Tuesday- Fill in the chart; miles rounded to ones place, gas price per gallon in that city, travel time, gallons needed, gas expense (show all work)

5. Complete Extension- Project is due Friday, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Vehicle Type\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ eample-Chevy Suburban

Average Highway mileage \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ex- 23 miles per gallon

Fuel Tank Size\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | Starting CityEx. New York, NY | Stop 1Ex Austin, TX | Stop 2Ex. Aspen, CO | Ending CitySan Francisco, CA |
| Miles to next CityRounded to the ones place (show work) | New York to Austin ex 1744mi | Austin to Aspen ex. 1021mi | Aspen to San Fran ex. 1144mi | Total miles |
| Gas Price per Gallon- Use price for your city | Use gasbuddy.com- round to the nearest hundredth 2.726-> $2.73 | 2.184->$2.18 | 2.721->$2.72 | No work here  |
| Gallons needed to get to the from one city to the next (show work) | Miles divided by average highway mileage |   |   | Total= |
| How much will you spend on gas? (show work) | Gallons needed time price per gallon |   |   | Total= |
| Time to get from one city to the next- travel time | Use mapquest.com or googlemapsEx 26 hours 40 min | 16 hours 39 minutes | 18 hours 4 minutes | Total travel time |

Total Gas Expense (show work)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

EXTENSION:

1. What will you do in each city?

2. How much money will you need to do those activities?

3. What cities will you stop in along the way to spend the night? Consider how many hours you want to drive each day.

4. How much is a hotel in each city? Write the hotel and price for each city.

5. How many days will it take you to travel across the country? Consider you may want to spend more than one day at your 4 major city stops.

6. How much will you budget for your family for food each day?

7. Total budget for food needed for trip.

8. How much money will you need for the trip?

9. Create a google sheet or other presentation with your additional expenses.