Name _____ Date _____

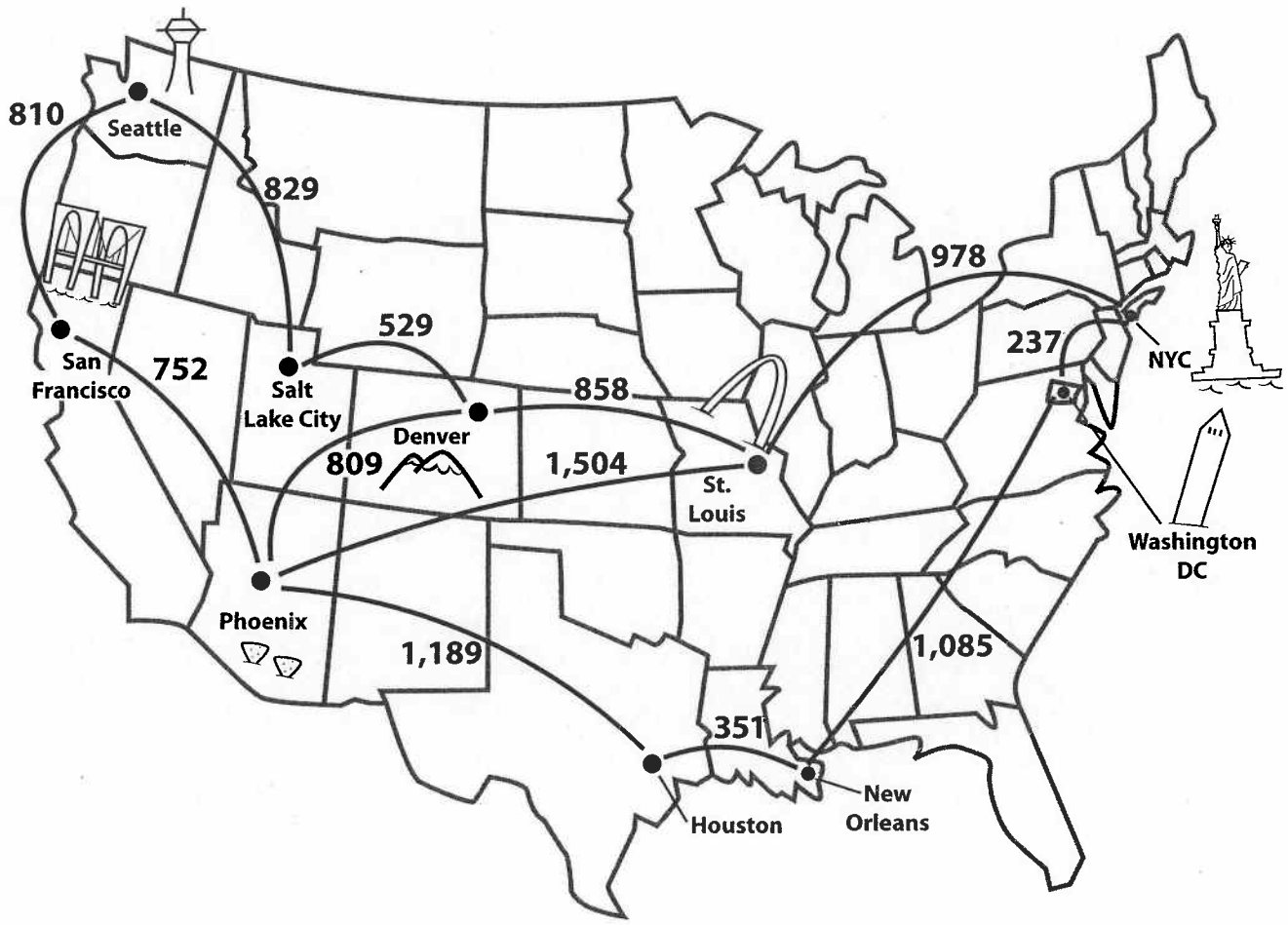
Skills:
Solving problems based on mileage data in a map

On the Road: Data Sheet

Our vast country offers travelers so much to see! Kim's family is going to see a lot of it this summer on a cross-country car trip. Her family will start from their home in San Francisco, California. They plan to visit many great cities in the United States.

The map below shows driving distances between some cities.

Road Mileage Between U.S. Cities



Name _____ Date _____

On the Road: Activity Sheet

Use the Data Solve each problem.

1. What does the map show? _____

   What about the driving routes does it *not* show? _____

2. To the nearest 100 miles, how far is it from San Francisco to Seattle, then to Denver?

   _____

3. Suppose that Kim's family leaves New York City and stops for gas halfway between it and St. Louis. How far from St. Louis are they when they stop? _____

4. The family car gets 30 miles per gallon. About how many gallons of gas would they need to get from Washington, D.C. to New Orleans? _____

5. Kim's mother drives at an average speed of 60 miles per hour. At that rate, and without stopping, about how long would it take the family to drive from Phoenix back to San Francisco? _____

6. Suppose the family car gets 30 miles per gallon and gas costs an average of $2 per gallon. To the nearest $10, what would it cost them to drive from Houston to New York?

   _____

Use Time Zones

Seattle, Denver, New Orleans, and Washington, D.C., are in different time zones. At noon in Seattle, it is 1:00 P.M. in Denver, 2:00 P.M. in New Orleans, and 3:00 P.M. in D.C.. Use these facts and the data below to solve problems 7–8.

- Your family leaves Denver at 10:00 A.M. on a Tuesday headed for the nation's capital. Use the map to choose the shortest route.
- Your average driving speed is 65 miles per hour.
- You stop 3 times to sleep, each time for about 8 hours.
- You stop 8 other times for about an hour each time.

Hint: Make sure to find the total distance of the trip, the total time that it takes at 65 mph, and the total time you stopped.

7. On what day and at about what time do you reach Washington, D.C.? _____

8. Show your solution on the back of this page.