



JSTEM 7th Grade Summer Assignment

Name _____

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7th Grade Math Road Trip Project

This project will be presented on a cardboard box. See example Mrs. Ray showed in class.

This summer, you have decided to take a road trip. You will start in Converse and travel to five other U.S. cities before returning to Converse. It is your job to decide what cities to visit and calculate how far you will travel. This project will be presented on a **box no bigger than 2ft by 2ft** in a gallery walk around the room. If you will be virtual next year, you will be doing the same project on Google Slides. Each slide will be considered a “side” of the box. Neatness will be taken into account.

All the information from this packet must be included on your box, but how you choose to present that information is up to you. Creativity with how you present this information will award you more points toward your final grade. Each city you “travel” to will take one side of the box.

Step 1: Plan your trip. Choose which 5 cities you will be visiting during your summer vacation. Specify both the city and the state.

Starting City	Converse, TX
City #1	
City#2	
City #3	
City #4	
City #5	
Ending City	Converse, TX

Step 2: Using google maps find the distances between the two cities.

Starting City	Ending City	Distance between the cities
Converse, TX		
	Converse, TX	

Total mileage driven:	
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Part 3: How many days will you spend in each city?

City 1:	
City 2:	
City 3:	
City 4:	
City 5:	

Total number of days spent sightseeing: _____

Step 4: Pick a car that you will travel across the country with

Here are a few vehicle websites to help with your search

www.edmunds.com

www.carmax.com

Car make and model: _____

Car gas mileage (highway): _____ Miles/gal

Include a picture of your car on the box.

Step 5: Calculate how much it will cost you in gas for your road trip
 Use the miles driven in step 2 to calculate how many gallons of gas you will need for each leg of your trip. Gas will cost you \$2.45 per gallon on this trip.

Miles	Gallons used	Cost
Example: I drive 200 miles and my car gets 28 miles/gal	= 200 miles / 28 mpg = 7.14 gallons	7.14 gallons * 2.45 dollars/gallon = \$15.35

Total cost of gas for the trip: _____

Step 6: Don't forget about food! Pick a restaurant in each city for each night you are there (If you are staying in a city for three nights you will need three meals)

City	Meal and cost of meal
City 1:	
City 2:	
City 3:	
City 4:	
City 5:	

Total cost of food for the trip: _____

Step 7: You will need a hotel room for every day of your vacation except the last. You will need to research hotels in each city and provide the cost for each night

Here are some websites to find hotels

Hotels.com

trivago.com

City	Name and Cost of hotel per night	Number of nights	Total
City 1:			
City 2:			
City 3:			
City 4:			
City 5:			

Total cost for hotels for the trip: _____

Step 8: You will need to pick two tourist attractions or “fun things” to do in each city
Include pictures of your attractions and the corresponding costs on your box.

City	Fun thing #1	Fun thing #2
City 1:	Attraction: Cost:	Attraction: Cost:
City 2:	Attraction: Cost:	Attraction: Cost:
City 3:	Attraction: Cost:	Attraction: Cost:
City 4:	Attraction: Cost:	Attraction: Cost:
City 5:	Attraction: Cost:	Attraction: Cost:

Total cost for attractions: _____

The total cost for your road trip:

Rubric

Category	4	3	2	1	0
Neatness and organization	The work is presented in a neat and clear, organized fashion that is easy to read	The work is presented in a neat and organized fashion that is usually easy to read	The work is presented in an organized fashion but may be hard to read at times	The work appears sloppy and unorganized. It is hard to know what information goes together	Unable to read
Completion	All 8 steps of the project have been completed	All but one of the steps have been completed	All but two of the steps have been completed	Several of the steps have not been completed	None of the steps have been completed
Proportions (work shown)	Work has been shown to solve proportions for the cost of gas	Work is mostly shown	Work is partially shown	Work shown and answer is incorrect	No work shown
Mathematical errors	90%-100% of the steps and solutions have no mathematical errors	Almost all (85%-89%) of the steps and solutions have no mathematical errors	Most (75%-84%) of the steps and solutions have mathematical errors	More than 75% of the steps and solutions have mathematical errors	All of the work is done incorrectly