**Road Trip Project** : Part Two

Number of Miles Traveled \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Your family has decided to rent a vehicle for your road trip. It is your job to determine which vehicle you should rent. You have 6 choices.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | http://www.fueleconomy.gov/feg/photos/2012_Ford_Mustang.jpg | http://www.fueleconomy.gov/feg/photos/2011_Smart_ForTwo_Coupe.jpg | http://www.fueleconomy.gov/feg/photos/2012_Dodge_Ram_1500.jpg | http://www.fueleconomy.gov/feg/photos/2012_Honda_Odyssey.jpg | http://www.fueleconomy.gov/feg/photos/2012_Chevy_Tahoe.jpg | http://www.fueleconomy.gov/feg/photos/2012_Jeep_Wrangler_Sahara.jpg |
|   | 2012 Ford Mustang | 2012 Smart Car | 2012 Dodge Ram | 2012 Honda Odyssey  | 2012 Chevrolet Tahoe | 2012 Jeep Wrangler |
|   |  |  |  |  |  |  |
|   | **2012 Ford Mustang**  | **2012 smart fortwo coupe**  | **2012 Dodge Ram 1500 Pickup 4WD**  | **2012 Honda Odyssey**  |  |  |
| **Cost to Drive 25 Miles** | $4.26 | $2.90 | $6.75 | $4.67 | $5.76 | $5.44 |
| **Fuel to Drive 25 Miles** | 1.09 gallons | 0.69 gallons | 1.67 gallons | 1.19 gallons | 1.47 gallons | 1.39 gallons |

**Step 9**: Calculate the average gas mileage of each vehicle on the previous page. Show your Work!

 Calculated
 MPG \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_

**Step 10**: Write a paragraph describing which vehicle you should rent and why. Describe how you used pre-algebra to help make this decision.

**Step 7**: Calculate how much it would cost to drive each vehicle during your summer road trip. Use the information on the front of this piece of paper to create a proportion.

|  |  |  |  |
| --- | --- | --- | --- |
| **Vehicle** | **Proportion** | **Show Work** | **Total Cost** |
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|  |  |  |  |

**Step 8**: Calculate how much fuel would be required to drive each vehicle during your summer road trip. Use the information on the front to create a proportion.

|  |  |  |  |
| --- | --- | --- | --- |
| **Vehicle** | **Proportion** | **Show Work** | **Total Fuel Required** |
|  |  |  |  |
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