

Kelly and Tony's Vacation Trip Budget

Mathematics Standards of Learning 4.5, 4.8. 4.10

Help Kelly and Tony plan a trip from Norfolk to Richmond.

Gas

Round trip mileage, including driving around Richmond = 300 miles.

The car gets 25 miles per gallon, so they will need 12 gallons of gas. ($300 \div 25 = 12$)

Gas costs \$1.05 per gallon.*

The cost of the gas will be \$12.60. ($\$1.05 \times 12 = \12.60)

* The tax on a gallon of gas is 16%. If you pay \$1.05 per gallon, that means you are paying almost 7 cents tax on each gallon of gas you buy.

Hotel

The hotel costs \$60.00 per night, plus 8 1/2 % sales tax (Combined state and local).

The tax for one night is \$5.10. ($\$60.00 \times .085 = \5.10)

The cost of a hotel room for one night will be \$65.10. ($\$60.00 + \$5.10 = \65.10)

The cost of a hotel room for three nights will be \$195.30. ($\$65.10 \times 3 = \195.30)

Food

The food tax in Virginia is around 8% in most areas.

If you buy a soft drink that costs 79 cents, you will pay an additional 6 cents in tax, for a total of 85 cents for the drink.

If you buy a dinner that costs \$10.00, you will pay an additional 80 cents in taxes, for a total of \$10.80

If you plan to spend \$30.00 a day on food, about \$2.40 of it will be taxes.

The cost of food for one person for 3 days will be about \$90.00

If Kelly, Tony, and their parents all go on the trip, the total cost of food will be \$360.00.

Now add up all of the expenses so far.

Add in an additional \$25.00 per day per person for activities such as theme parks, museums, tours, movies, souvenirs.

Gas	\$12.60
Hotel	\$195.30
Food	\$360.00
Extras	<u>+\$100.00</u>
Total	\$667.90

Your Vacation Trip Budget

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Now you try it! Use these figures to plan a trip.

- Make sure to include round trip mileage. Multiply the one-way mileage by 2.
- Hotels can cost anywhere from \$40.00 per night to \$250.00 or more. Choose the price you want to pay.
- Estimate your food costs at \$30.00 per day. If you want to eat dinner at fancy restaurants, add about \$30.00 per day per person. If you eat mostly at fast food restaurants, subtract \$10.00.
- Add in an additional \$25.00 per day per person for activities such as theme parks, museums, tours, movies, souvenirs.
- Work your problems like the ones below.

cost of room for one day
 X number of days
 total hotel cost before taxes

total hotel cost before taxes
 X 8.5
 total hotel cost with taxes

Mileage one way. If your city is not on this list, use a Virginia map and the scale of miles to find the distances.

From	To	Miles One Way
Virginia Beach	Harrisonburg	238
Fredericksburg	Lynchburg	134
Williamsburg	Fairfax	150
Richmond	Roanoke	189
Staunton	Newport News	180
Alexandria	Charlottesville	117
Chesapeake	Leesburg	229
Petersburg	Norfolk	76