$\qquad$ Name $\qquad$ Date $\qquad$

## Topic 2: Ratios \& Rates - Block 4 Homework

Use highlighters to organize information, then set up a proportion to determine the unit rate. Round answers to the nearest hundredth, if needed.

1. You and your family are driving to the Wild Animal Park in Escondido, California. The distance from your house to the park is 528 miles. You plan to get there in 8 hours of driving time. What is your average driving speed?
2. After your 528-mile trip to Escondido, you fill your car with gas. It takes 16 gallons to fill your car in Escondido. What gas mileage did you get on the trip (miles per gallon)?
3. In Escondido, the unit price of gas is $\$ 3.31$. Since you used 16 gallons of gas, how much was the total cost at the gas station?
4. At the gas station you heard someone say, "The unit price is a unit rate." Is that person's statement true or false? Explain.
5. Shawna can pick $4 \frac{1}{2}$ quarts of strawberries in $\frac{3}{4}$ hours. Using this information, fill in the table below:

| Quarts | $4 \frac{1}{2}$ | $1 \frac{1}{2}$ |  | 1 |
| :---: | :---: | :---: | :---: | :---: |
| Hours | $\frac{3}{4}$ |  | 1 |  |

6. Using the information from the problem above, how many hours will it take Shawna to pick 8 quarts of strawberries?
