

## Unit 9 L 7 RENTING A VEHICLE

Objective: Figure the cost per mile of renting a vehicle.

**Hertz**

 **National**

**Sometimes people run into a situation where they need to rent a car. What are some of those situations?**

 **enterprise**

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There are different factors that go in to computing the cost to rent a car. Different companies might do different things.

### IMPORTANT FORMULA

$$\text{COST PER MILE} = \frac{\text{TOTAL COST}^*}{\text{NUMBER OF MILES DRIVEN}}$$

\*To get the TOTAL COST you must add all of the individual costs together first.

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**Example 1** Tony Gianolli rented a sedan for 4 days at \$99 per day with unlimited mileage. He paid \$15 per day for the collision waiver. Gasoline cost him \$41.60. He drove the vehicle 468 miles. Find the total cost and the cost per mile for renting the vehicle.

**Step 1:**      **$\$99 \times 4 = \$396$**

**Step 2:**      **$\$15 \times 4 = \$60$**

**+  $\$41.60$**

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**Step 3:**      **$\$497.60 \div 468 = 1.063247863$**  :Step 4

**Total Cost**

**\$1.06**

**Cost Per Mile**

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**Example 2** Dale Sanders rented a truck for 1 week at the special rate of \$199 per week. There is a \$0.25 per mile charge for miles over 700. He drove the pickup 817 miles. He paid \$12.95 per day for the collision waiver and gasoline cost \$48.05. Find the total cost and the cost per mile for renting the truck.

$$\begin{array}{l} \$199.00 \\ 817 - 700 = 117 \times 0.25 = \$29.25 \\ \$12.95 \times 7 = \$90.65 \\ 48.05 + \\ \hline \boxed{\$366.95} \\ \text{TOTAL COST} \end{array}$$
$$\begin{array}{l} \$366.95 \div 817 \\ = 0.44943207 \\ \boxed{\$0.45} \\ \text{per mile} \end{array}$$