Rates and Unit Price

1. A car travels 330 miles in 6 hours. What is the rate of the car in miles per hour?

2. A bus travels 420 miles on 30 gallons of gas. What is the fuel consumption rate of this bus in miles per gallon?

3. A truck travels 856 miles in 16 hours. What is the rate of the truck in miles per hour rounded to the nearest tenth?

4. If a package containing twelve pencils costs $2.59, what is the cost per pencil in cents per pencil. Round your final answer to the nearest cent.

5. A jar contains 30 ounces of peanut butter. What is the cost per ounce of peanut butter if the jar costs $3.99? Round your final answer to the nearest cent.

Rates and Unit Price

1. A car travels 330 miles in 6 hours. What is the rate of the car in miles per hour?

$$\frac{330 \text{ mi}}{6 \text{ hr}} = \boxed{55 \frac{\text{mi}}{\text{hr}}}$$

2. A bus travels 420 miles on 30 gallons of gas. What is the fuel consumption rate of this bus in miles per gallon?

$$\frac{420 \text{ mi}}{30 \text{ gal}} = \boxed{14 \frac{\text{mi}}{\text{gal}}}$$

3. A truck travels 856 miles in 16 hours. What is the rate of the truck in miles per hour rounded to the nearest tenth?

$$\frac{856 \text{ mi}}{16 \text{ hr}} = \boxed{53.5 \frac{\text{mi}}{\text{hr}}}$$

4. If a package containing twelve pencils costs $2.59, what is the cost per pencil in cents per pencil. Round your final answer to the nearest cent.

Note: 2.59 dollars = 259 cents !!

$$\frac{2.59 \text{ dollars}}{12 \text{ pencils}} = \frac{259 \text{ cents}}{12 \text{ pencils}} = 21.58 \frac{\text{cents}}{\text{pencil}}$$

Rounded to → $= \boxed{22 \frac{\text{cents}}{\text{pencil}}}$
nearest cent!

5. A jar contains 30 ounces of peanut butter. What is the cost per ounce of peanut butter if the jar costs $3.99? Round your final answer to the nearest cent.

Note: $3.99 = 399 cents !!

$$\frac{399 \text{ cents}}{30 \text{ ounces}} = 13.3 \frac{\text{cents}}{\text{ounce}} = \boxed{13 \frac{\text{cents}}{\text{ounce}}}$$

Rounded to nearest cent!