

Problem 1 of 6



Questions?
Ask a live tutor now!

Ask Question

Hazelnuts cost \$20.50 for 7 pounds.
Find the cost per pound.

Question

$$\frac{\$20.50}{7 \text{ Lb}}$$

$$2.93 \text{ \$/Lb}$$

Answer

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Questions?
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Ask Question 

An average person walks about 60 km in 12 hours.
What is the unit rate?

Question

$$\frac{60 \text{ km}}{12 \text{ hr}}$$

$$5 \text{ km/hr}$$

Answer

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Questions?
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Ask Question 

A car travels 100 km in 2 hours.
What is the unit rate?

Question

$$\frac{100 \text{ km}}{2 \text{ hr}}$$

$$50 \text{ km/hr}$$

Answer

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Questions?
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Ask Question

Jamie saves 10 dollars each week.
What is the unit rate in dollars per day?

Question

1 week = 7 days

$\frac{\$10}{7 \text{ day}}$

$\$1.43/\text{day}$

Answer

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Questions?
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Ask Question 

A bus travels at 55 km/h.
What is the unit rate in miles per second?

Question

$$55 \text{ km} = 34.18 \text{ miles} \quad 1 \text{ hr} = 3600 \text{ s}$$

Answer

$$\frac{34.18 \text{ mi}}{3600 \text{ s}}$$

$$0.0095 \text{ mi/s}$$

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Questions?
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Ask Question ▶

Temperature in a room is increasing at a rate of 6 Celsius degree per hour. What is the rate in Fahrenheit per second?

Question

Answer

$$\Delta C = 6$$

$$F = \frac{9}{5}C + 32$$

$$\Delta F = \frac{9}{5} \times \Delta C$$

$$1 \text{ hr} = 3600 \text{ s}$$

$$\Delta F = \frac{9}{5} \times 6$$

$$\frac{10.8^\circ \text{ F}}{3600 \text{ s}}$$

$$0.003^\circ \text{ F/s}$$

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