

Forum:[Hack Forums](#)

Thread: [4 Math Problems \(Converting Units\)](#)

Sharjah - February 7, 2017, 11:23 pm

1) Find the unit rates. If necessary, round your answers to the nearest hundredth.

\$6.39 for 8 quarts

__ dollars per quart

__ quarts per dollar.

2) A bicycle is traveling at 14 miles per hour.

How many feet will it cover in 15 seconds?

Round your answer to the nearest tenth of a foot.

3) In September 2016, the cost of gasoline in Berlin was around 1.28 euros per liter.

What would the equivalent cost be in U.S. dollars per gallon?

1 U.S. dollar ?0.896 euros

1 gallon ?3.785 liters

4) The formula to convert from Celsius to Fahrenheit is

$$F=1.8C+32$$

. Use this formula to complete the statements below. Round your answers to the nearest tenth as needed.

If the temperature is 85 °F, that is equivalent to °C.

If the temperature is 35 °C, that is equivalent to °F.

Frostybaby - February 8, 2017, 3:03 am

1. ~\$0.80/quart (rounded up)

2. 308 feet

3. \$4.34/gallon

4. There are no problems below :)

If I did these wrong, well, I'm not sleeping and for some reason I'm on my computer.

Sharjah - February 8, 2017, 10:41 pm

(Feb 8, 2017 04:03 AM)Frostybaby Wrote: [\[CITE\]](#) 1. ~\$0.80/quart (rounded up)

2. 308 feet

3. \$4.34/gallon

4. There are no problems below :)

If I did these wrong, well, I'm not sleeping and for some reason I'm on my computer.

3 was wrong and #1 I need :

_ dollars per quart
__ quarts per dollar.

inxy - February 8, 2017, 10:45 pm

(Feb 8, 2017 11:41 PM)Vossen Wrote: [\[CITE\]](#) 3 was wrong and #1 I need :

_ dollars per quart
__ quarts per dollar.
\$.79875 dollars per quart

Steve - February 8, 2017, 10:45 pm

1 is .80 dollars per quart and 1.25 quarts per dollar.
I got \$5.41 for 3

Sharjah - February 8, 2017, 10:55 pm

(Feb 8, 2017 11:45 PM)Steve Wrote: [\[CITE\]](#) 1 is .80 dollars per quart and 1.25 quarts per dollar.
I got \$5.41 for 3
Hell yeah. Those were right. Any idea on the lasst one?

Steve - February 8, 2017, 10:57 pm

(Feb 8, 2017 11:55 PM)Vossen Wrote: [\[CITE\]](#) Hell yeah. Those were right. Any idea on the lasst one?

29.44

95

Sharjah - February 8, 2017, 10:59 pm

(Feb 8, 2017 11:57 PM)Steve Wrote: [\[CITE\]](#) 29.44

95

Savage thanks aha. If you're down to do another 6 problems about linear functions PM me. We can discuss a price ?