

Lecture 1 pt 2 - 1.12

Thursday, January 12, 2023 9:33 AM

Quiz

- You drive to Canada and Gas costs 1.20 Canadian dollars per liter. How much is this in USD / Gallon?

- A) \$1
- B) \$2
- C) \$3.5
- D) \$5
- E) \$10, darn socialists...

Hint: 1 USD is 1.32 Can \$; 1 Gallon contains 3.78 liters.



$$1 \text{ USD} = \frac{1.32 \text{ CAD}}{1.32 \text{ CAD}} \quad \text{1.32 CAD}$$

$$1 \text{ L} = 3.78 \text{ G}$$

$$1.2 \text{ CAD} = ? \text{ USD}$$

$$\cdot 3.78$$

$$\cdot 1 \text{ USD}$$

$$1.32 \text{ CAD}$$

$$\frac{1.2 \cdot 3.78}{1.32} = 3.44 \text{ USD}$$

Quiz

If you live to be 100 years old, about how many times will your heart beat in your lifetime? Choose the closest answer.

A. $3e6$

B. $3e7$

C. $3e8$

D. $3e9$

70 bpm

1440 m/d

365 d/y

100 y

367.920.000.0

$3.6e9$