

Volume Word Problems

You have 8 liters of juice for your party. A glass is 200ml. How many people can have juice ?

Work:

Answer:

You should drink more than 8 cups of water per day. You have a 32 ounce water bottle. How many minimum bottles should you drink per day?

Work:

Answer:

The price of gas is \$1.21 per liter in a country you are visiting. How much is that per gallon?

Work:

Answer:

You are from a country that uses liters, but you are visiting the United States. What is the cost per liter for gas for your car, when the price is listed at \$3.25 per gallon?

Work:

Answer:



Answers

You have 8 liters of juice for your party. A glass is 200mL. How many people can have juice ?

Work: $8 \text{ L} = 8,000 \text{ mL}$
 $8,000 / 200 = 40$

Answer: 40 glasses

You should drink more than 8 cups of water per day. You have a 32 ounce water bottle. How many minimum bottles should you drink per day?

Work: 1 cup contains 8 ounces. $8 \times 8 = 64$ ounces.
 $64 / 32 = 2$ bottles

Answer: 2 bottles

The price of gas is \$1.21 per liter in a country you are visiting. How much is that per gallon?

Work: 1 gallon = 3.7854 L
 $\$1.21 \times 3.7854 = 4.58$

Answer: \$4.58 per gallon

You are from a country that uses liters, but you are visiting the United States. What is the cost per liter for gas for your car, when the price is listed at \$3.25 per gallon?

Work: 1 gallon = 3.7854 L
 $\$3.25 / 3.7854 \text{ L} = .8586$

Answer: 86 cents per liter.





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