

Rates (day 2)

February-28-19 9:53 AM

Ex. A bakery makes 246 muffins in 3 hours.
How many muffins can they make in 8 hours?

$$\frac{246 \text{ muffins}}{3 \text{ hours}} \div 3 = \frac{82 \text{ muffins}}{1 \text{ hour}} \times 8 = \frac{656 \text{ muffins}}{8 \text{ h}}$$

Ex. What is the better buy?

600 mL of Pepsi for \$1.89

OR

1 L of Pepsi for \$2.39

need the same units!

$$1 \text{ L} = 1000 \text{ mL}$$

smaller
pepsi :

$$\frac{\$1.89}{600 \text{ mL} \div 6}$$

$$= \frac{\$0.32}{100 \text{ mL}}$$

← unit price
for 100 mL

larger :
one

$$\frac{\$2.39 \div 10}{1000 \text{ mL} \div 10}$$

$$= \frac{\$0.24}{100 \text{ mL}}$$

Better buy
lower unit price