1. Organize the prices below from lowest to highest unit rate.

careful!!	355 mL of pop	\$0.44
	2 L of pop	\$1.39
	1 L of pop	\$0.64



2. Jennifer is making a punch for her mother's birthday. The recipe calls for 2 cups of ginger ale, 4 cups of Sprite and, 5 cups of lemonade. If Jennifer needs to fill a punch bowl that holds 25 cups, how much of each will she need?



3. Tanya is a nurse. she needs to measure and administer the correct dose of medicine to her patients. 150 mg of medicine must be dissolved into 275 mL of water. If the patient requires a dose of 500 mg of medicine, how much water is needed? Round to the nearest millilitre.



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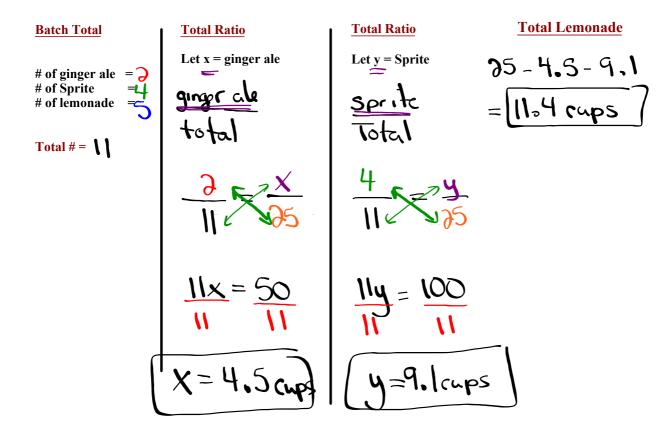


Convert 355 ml to litres
355/1000 = 0.355 L

1L  $$0.64 \rightarrow = $0.64/L$ 2L  $$1.39 \rightarrow = $0.70/L$ 

355ml \$0.44 → = \$1.24/L

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Let 
$$x = Water$$

Medicine (mg) Water (mL)

$$150x = 137500$$

$$\frac{150x}{150} = \frac{137500}{150}$$

## Homework

O ginger ale = 8

Grenadine = 1

Total = 9

Let 
$$x = ginger ale$$

ginger ale

 $4 = 8$ 
 $4 = 9$ 
 $4 = 9$ 
 $4 = 9$ 
 $4 = 9$ 

$$9x = 96$$
  
 $x = 10.7$  curves of ginger ale.

$$\frac{94}{1900} = \frac{10}{x}$$

$$\frac{5x}{5} = \frac{2366}{5}$$

$$\frac{6x}{6} = \frac{66.88}{6}$$

$$\frac{35x}{35} = \frac{93.7}{35}$$

$$0 \quad \omega_{\text{Ins}} = \underline{6} \quad \text{a)} \quad \underline{\omega_{\text{Ins}}} = \underline{6} \quad \underline{3}$$

$$|\cos s = \underline{3}| \quad \cot a| \quad \underline{5}$$

ties = 
$$\frac{1}{2}$$
 by  $\frac{10888}{101} = \frac{3}{10}$ 

d) Let 
$$x = wins$$

Let  $y = losses$ 
 $|soses|$ 
 $|soses|$ 

e) Let 
$$x = wins$$

Let  $y = losses$ 
 $83 - 49 - 35$ 
 $losses$ 
 $10 \times 83$ 
 $losses$ 
 $10 \times 83$ 
 $losses$ 
 $losses$