

!  $x = 2nd \#$   $(55)$   
 $y = 1st \#$   $(15)$   
 $x + y = 70$   
 $x = 10 + 3y$

$$10 + 3y + y = 70$$

$$\begin{array}{r} 10 + 4y = 70 \\ -10 \end{array}$$

$$y = 15 \quad \frac{4y}{4} = \frac{60}{4}$$

$x = \text{smaller}$   
 $y = \text{larger}$

11  
83

2.

$$y = 8x - 5$$

$$x + y = 94$$

$$x + 8x - 5 = 94$$

$$\begin{array}{r} 9x - 5 = 94 \\ + 5 \quad + 5 \end{array}$$

$$\begin{array}{r} 9x = 99 \\ \hline 9 \quad 9 \end{array}$$

$$x = 11$$

$$\begin{array}{l} \#2 = x \quad (80) \\ \#1 = y \quad (300) \end{array}$$

3.

$$y = 4x - 20$$

$$x + y = 380$$

$$x + 4x - 20 = 380$$

$$\begin{array}{r} 5x - 20 = 380 \\ + 20 \quad + 20 \end{array}$$

$$\frac{5x}{5} = \frac{400}{5}$$

$$x = 80$$

$$x = \text{bottle } (2.5)$$

$$y = \text{water } (37.5)$$

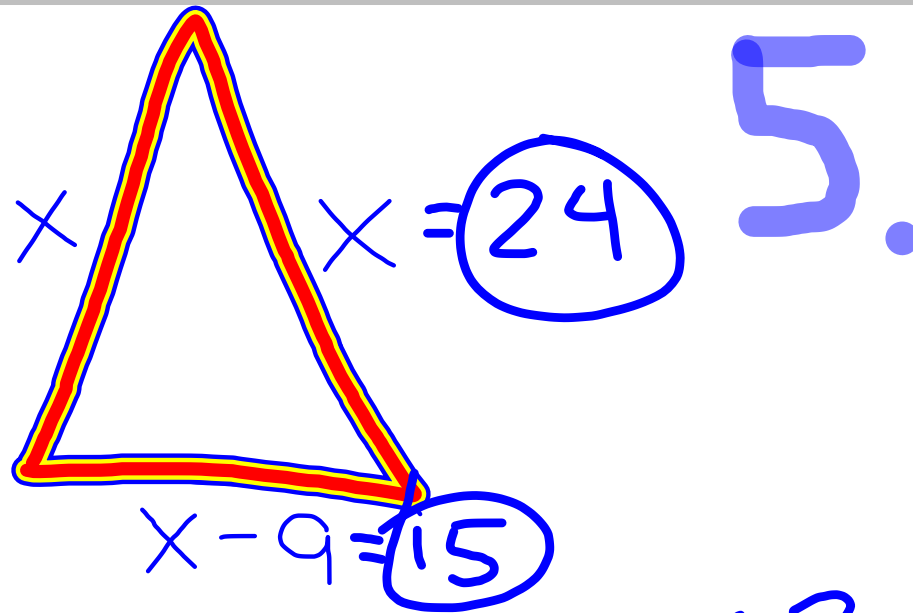
4.

$$x + y = 40$$

$$y = 15x$$

$$x + 15x = 40$$

$$\frac{\cancel{16}x}{\cancel{16}} = \frac{40}{16} = (2.5)$$



$$x + x + x - 9 = 63$$

$$3x - 9 = 63$$

$$\begin{array}{r} 3x = 72 \\ \hline 3 \end{array}$$

$$x = 24$$

$$\begin{aligned} x &= 15 + \# & 9 \\ y &= 5x & 45 \\ z &= x + 16 & 25 \end{aligned}$$

6.

$$x + 5x + x + 16 = 79$$

$$\frac{\cancel{7}x}{\cancel{7}} = \frac{63}{7} \quad x = 9$$

$\textcircled{x} = \text{comp}$   
 $y = \text{monitor}$

$z = \text{printer}$

$$y = \textcircled{x - 400}$$

$$z = \textcircled{50 + x - 400}$$

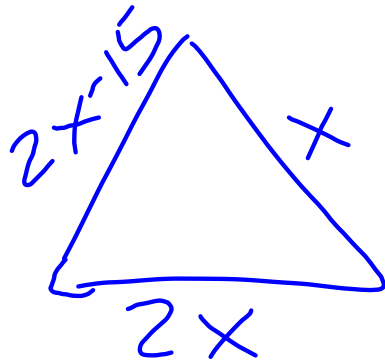
7.

$$x + x - 400 + 50 + x - 400 = 1935$$

$$3x - 750 = 1935$$

$$3x = 2685 \quad x = 895$$

$$\begin{aligned} \text{printer} &= 895 + 50 - 400 \\ &= \textcircled{545} \end{aligned}$$



8.

$$2x - 15 + 2x + x = 180$$

$$5x - 15 = 180$$

$$\frac{5x}{5} = \frac{195}{5}$$

$$x = 39^\circ$$

$$78^\circ$$

$$63^\circ$$



**x= miles ran on Monday**  
**y=miles ran on Wednesday**  
**z=miles ran on Friday**

**x-4**

**x** 9.  
**2(x-4)**

$$x+x-4+2(x-4)=26$$

$$4x-12=26$$

$$4x=38$$

$$x=9.5 \quad 2(9.5-4)= 19-8=11 \text{ miles}$$