

$x = n = \text{manzanas}$

SOL

① SARA $\Rightarrow \frac{x+1}{2}$

Sobra $x - \frac{x+1}{2} = \frac{x-1}{2}$

Rosa $= \frac{x-1}{2} : 2 + \frac{1}{2} = \frac{x-1}{4} + \frac{1}{2} = \frac{x+1}{4}$

Sobra $= \frac{x-1}{2} - \frac{x+1}{4} = \frac{x-3}{4}$

FRANCISCO $= \frac{x-3}{4} : 2 + \frac{1}{2} = \frac{x-3}{8} + \frac{4}{8} = \frac{x+1}{8}$

$\frac{x+1}{2} + \frac{x+1}{4} + \frac{x+1}{8} = x$

$4x+4 + 2x+2 + x+1 = 8x$

$7 = 8x - 7x$

$x = 7 \rightarrow 7 \text{ MANZANAS}$

② Hombres: x
Mujeres: y
 z : Total

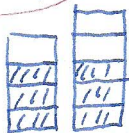
$\frac{3x}{4} = \frac{3y}{5}$; $15x = 12y$; $\frac{y}{x} = \frac{15}{12}$; $\frac{y}{x} = \frac{5}{4} \rightarrow y = \frac{5}{4}x$
 $x + y = z$; $x + \frac{5x}{4} = z$; $9x = 4z$; $x = \frac{4z}{9}$
 $y = \frac{20z}{36} = \frac{5z}{9}$

$\frac{4z}{9} \cdot \frac{1}{4} = \frac{z}{9}$ sin buitar

$\frac{5z}{9} \cdot \frac{2}{5} = \frac{2z}{9}$ sin buitar

$\frac{z}{9} + \frac{2z}{9} = \frac{3z}{9} = \frac{1}{3}$ del Total

Más fácil



3 parts de 9 $\rightarrow \frac{1}{3}$

$\frac{1140}{19} = 60$

③ mula: $\frac{3}{2}$
caballo

caballo $\frac{3}{2}$
buro $\frac{2}{3}$
 $\frac{buro}{caballo} = \frac{2}{3}$

$x = \text{llera caballo (Kg)}$

mula: $\frac{3}{2}x$

buro: $\frac{2}{3}x$

SOL $\left\{ \begin{array}{l} \text{Caballo: } 60 \text{ Kg} \\ \text{Mula: } 90 \text{ Kg} \\ \text{Buro: } 40 \text{ Kg} \end{array} \right.$

$x + \frac{3}{2}x + \frac{2}{3}x = 190$

$6x + 9x + 4x = 1140$

$19x = 1140$; $x = \frac{1140}{19} = 60$