

10/23

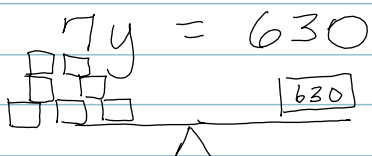
$$\frac{63}{y} = \frac{7}{10} \quad y = 90$$

cross multiplication (cross product)

$$\frac{2}{1} = \frac{18}{9} \quad \left(\begin{array}{l} \text{girls} \\ \text{boys} \end{array} \right)$$

~~$$\frac{63}{y} = \frac{7}{10}$$~~

~~cross cancel~~ ^{not}



$$7(90) = 630$$

$$y = 90$$

$$\begin{array}{r} 104 \\ 18 \\ \hline 832 \\ 1040 \\ \hline 1872 \\ 234 \\ \hline 234 \\ 24 \\ \hline 32 \end{array}$$

12 apples + 5 oranges

~~$$\frac{x}{45} = \frac{12}{5}$$~~

$$x = 108$$

$$\begin{array}{r} 8 \overline{) 1872} \\ 16 \\ \hline 27 \\ 24 \\ \hline 32 \end{array}$$

~~$$\frac{x}{104} = \frac{18}{8}$$~~ lollies
candy bars

~~$$\frac{x}{45} = \frac{12}{5}$$~~

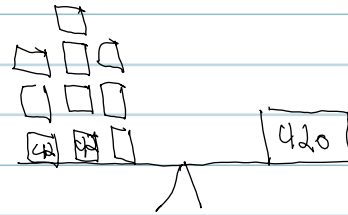
$$\begin{array}{r} 1872 = 8x \\ 104 \times 18 = 1872 \\ 234 = 234 \\ \hline \end{array}$$

$$5x = 45 \cdot 12$$

$$\begin{array}{r} 5x = 540 \\ 5 \\ \hline x = 108 \end{array}$$

$$\frac{234}{104} = \frac{18}{8} \text{ lollies candy}$$

$$\frac{x}{70} = \frac{6}{10} \text{ red squares}$$
$$\frac{6}{10} \text{ orange } \Delta$$



$$10x = 70 \cdot 6$$

420

$$\frac{10x}{10} = \frac{420}{10}$$

$$42 \times 7$$
$$\frac{42}{7} = \frac{6}{10}$$
$$x = 7$$

$$x = 42$$

$$\frac{24}{y} = \frac{12}{13}$$

- isolate the variable
- inverse operation

$$12y = 24 \cdot 13$$
$$\frac{12y}{12} = \frac{312}{12}$$

$$y = 26$$

