

Ecuaciones de primer grado con denominadores

1 $5 - \frac{x}{2} = 3x - 16$

$$10 - x = 6x - 32 \rightarrow 7x = 42 \rightarrow x = 6$$

2 $x - \frac{x}{3} = 2x - \frac{2}{3}$

$$3x - x = 6x - 2 \rightarrow 4x = 2 \rightarrow x = \frac{1}{2}$$

3 $\frac{x}{2} - \frac{x}{6} = \frac{4}{3}$

$$3x - x = 8 \rightarrow 2x = 8 \rightarrow x = 4$$

4 $\frac{x}{5} - \frac{x}{8} = \frac{3}{4}$

$$8x - 5x = 30 \rightarrow 3x = 30 \rightarrow x = 10$$

5 $x - \frac{1}{2} = \frac{5x}{8} - \frac{3}{4}$

$$8x - 4 = 5x - 6 \rightarrow 3x = -2 \rightarrow x = -\frac{2}{3}$$

6 $\frac{x}{2} + \frac{1}{5} - \frac{x}{6} = \frac{3x}{10} + \frac{8}{15}$

$$15x + 6 - 5x = 9x + 16 \rightarrow 10x + 6 = 9x + 16 \rightarrow x = 10$$