

$$2(x-3) + 10x = \frac{8x-1}{2}$$

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

$$\frac{4x}{2} - \frac{12}{2} + \frac{20x}{2} = \frac{8x-1}{2}$$

$$4x-12+20x = 8x-1$$

$$4x+20x-8x = -1+12$$

$$16x = 11$$

$$x = \frac{11}{16}$$

$$\frac{x}{6} - \frac{3x-1}{4} = 2x + \frac{33}{8}$$

$$\frac{4x}{24} - \frac{18x-6}{24} = \frac{48x}{24} + \frac{99}{24}$$

$$4x-18x+6 = 48x+99$$

$$4x-18x-48x = 99-6$$

$$-62x = 93$$

$$x = \frac{93}{62} = -\frac{3}{2}$$

simplificando
entre 31

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

$$\frac{15x-15}{30} = \frac{18x-60}{30} + \frac{10x-20}{30}$$

$$15x-15 = 18x-60+10x-20$$

$$15x-18x-10x = -60-20+15$$

$$-13x = -65$$

$$x = \frac{-65}{-13} = \frac{65}{13} = 5$$

$$\frac{1}{5} + \frac{3x}{2} = \frac{2x}{3}$$

$$\frac{6}{30} + \frac{45x}{30} = \frac{20x}{30}$$

$$6+45x = 20x$$

$$45x-20x = 6$$

$$25x = 6$$

$$x = \frac{6}{25}$$