

$$\frac{x+7}{4} > \frac{5+4x}{3}$$

$$\frac{x+7}{4} - \frac{5+4x}{3} > 0$$

$$\frac{x+7}{4} - \frac{4x+5}{3} > 0$$

$$\frac{(x+7)3}{4 \cdot 3} - \frac{(4x+5)4}{3 \cdot 4} > 0$$

$$\frac{(x+7)3 - (4x+5)4}{12} > 0$$

$$\frac{(3x+21) - (16x+20)}{12} > 0$$

$$\frac{3x+21-16x-20}{12} > 0$$

$$\frac{-13x+1}{12} > 0$$

$$-\frac{13x-1}{12} > 0$$

$$-(13x-1) > 0$$

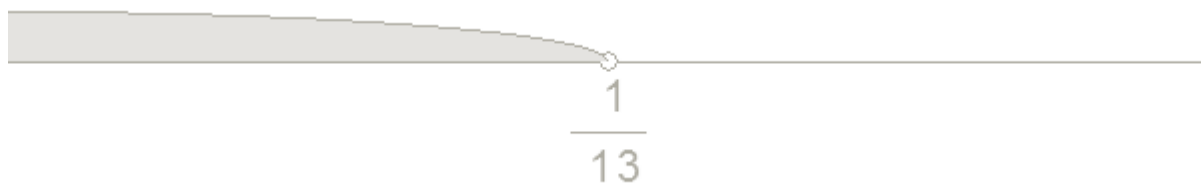
$$13x-1 < 0$$

$$13x < 0+1$$

$$13x < 1$$

$$x < 1:13$$

$$x < \frac{1}{13}$$



ответ: $x < \frac{1}{13}$.

$$\frac{6-y}{7} < \frac{y+6}{5}$$

$$\frac{6-y}{7} - \frac{y+6}{5} < 0$$

$$\frac{-y+6}{7} - \frac{y+6}{5} < 0$$

$$-\frac{y-6}{7} - \frac{y+6}{5} < 0$$

$$-\frac{(y-6)5}{7 \cdot 5} - \frac{(y+6)7}{5 \cdot 7} < 0$$

$$\frac{-(y-6)5 - (y+6)7}{35} < 0$$

$$\frac{-(5y-30) - (7y+42)}{35} < 0$$

$$\frac{-5y+30-7y-42}{35} < 0$$

$$\frac{-12y-12}{35} < 0$$

$$-\frac{12y+12}{35} < 0$$

$$-\frac{12(y+1)}{35} < 0$$

$$-12(y+1) < 0$$

$$12(y+1) > 0$$

$$y+1 > 0$$

$$y > 0-1$$

$$y > -1$$

