

Diseguazioni di primo grado numeriche fratte

1	$\frac{2x-1}{x-3} > 2$	$R: x > 3$
2	$\frac{5x+12}{7x-1} < 1$	$R: x < \frac{1}{7} \vee x > \frac{13}{2}$
3	$\frac{2-3x}{x+2} < \frac{2}{3}$	$R: x < -2 \vee x > \frac{2}{11}$
4	$\frac{2}{3x-3} < \frac{4}{3-x}$	$R: x < 1 \vee \frac{9}{7} < x < 3$
5	$\frac{3(4+5x)}{x} \geq -\frac{5}{4}$	$R: x \leq -\frac{48}{65} \vee x > 0$
6	$\frac{x+2}{2-x} - 2x \geq \frac{-2x^2}{2-x}$	$R: x < 2$
7	$\frac{4}{3-5x} < \frac{2}{4+3x}$	$R: -\frac{4}{3} < x < -\frac{5}{11} \vee x > \frac{3}{5}$
8	$-\frac{3}{3x-5} + \frac{1}{3} > -\frac{1}{6}$	$R: x < \frac{5}{3} \vee x > \frac{11}{3}$
9	$-3 > \frac{3}{x-6} + \frac{1}{5}$	$R: \frac{81}{16} < x < 6$
10	$2 - \frac{5}{x-10} < 0$	$R: 10 < x < \frac{25}{2}$
11	$\frac{3}{4-x} < \frac{6}{4x-3}$	$R: \frac{3}{4} < x < \frac{11}{6} \vee x > 4$
12	$\frac{15}{7} \leq -\frac{1}{x+6}$	$R: -\frac{97}{15} \leq x < -6$
13	$\frac{6}{2x+1} < \frac{5}{2-3x}$	$R: x < -\frac{1}{2} \vee \frac{1}{4} < x < \frac{2}{3}$
14	$-\frac{5}{3} > \frac{4}{\frac{3}{2}-x}$	$R: \frac{3}{2} < x < \frac{39}{10}$
15	$\frac{2}{6x-7} - \frac{1}{4} \geq 1$	$R: \frac{7}{6} < x \leq \frac{43}{30}$
16	$\frac{\frac{3}{4}}{x-5} \geq \frac{1}{3}$	$R: 5 < x \leq \frac{29}{4}$
17	$\frac{4}{7x-3} < \frac{3}{3-2x}$	$R: x < \frac{3}{7} \vee \frac{21}{29} < x < \frac{3}{2}$

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18	$8 \geq \frac{11}{x} - \frac{1}{4}$	$R: x < 0 \vee x \geq \frac{4}{3}$
19	$\frac{\frac{5}{3x-2}}{\frac{7}{x-2}} < 0$	$R: \frac{2}{3} < x < 2$
20	$\frac{(x-3)(2x-5)}{(4-3x)(3x-8)} \leq 0$	$R: \frac{5}{2} \leq x < \frac{8}{3} \vee x < \frac{4}{3} \vee x \geq 3$
21	$\frac{x-2}{x+3} > 0$	$R: x < -3 \cup x > 2$
22	$\frac{x+3}{x-2} > 0$	$R: x < -3 \cup x > 2$
23	$\frac{x+3}{x-2} < 1$	$R: x < 2$
24	$-\frac{2x+3}{5x+1} \geq 0$	$R: -\frac{3}{2} \leq x < -\frac{1}{5}$
25	$\frac{x-1}{x+1} - 1 < \frac{1-3x}{1+x}$	$R: -1 < x < 1$
26	$\frac{x-2}{3x-5} > \frac{6}{19}$	$R: x < \frac{5}{3} \cup x > 8$
27	$\frac{2x-1}{x-3} > 0$	$R: x < \frac{1}{2} \cup x > 3$
28	$\frac{5-x}{2x+2} < 0$	$R: x < -1 \cup x > 5$
29	$\left \frac{x-3}{x+5} \right \geq 2$	$R: -13 \leq x < -5 \cup$ $-5 < x \leq -\frac{7}{3}$
30	$\left \frac{2x+1}{x-3} \right \leq 2$	$R: x \leq \frac{5}{4}$