

ESERCIZI IN PIÙ

LE DISEQUAZIONI FRATTE

Risolvi le seguenti disequazioni numeriche fratte.

- 1** $\frac{1-x}{1+x} \leq 0$ $[x < -1 \vee x \geq 1]$
- 2** $\frac{5-2x}{2+x} < 0$ $[x < -2 \vee x > \frac{5}{2}]$
- 3** $\frac{x}{5x+10} \leq 0$ $[-2 < x \leq 0]$
- 4** $\frac{4}{x} < \frac{1}{2}$ $[x < 0 \vee x > 8]$
- 5** $\frac{10}{7x} > \frac{5}{14}$ $[0 < x < 4]$
- 6** $\frac{2}{x} < \frac{4}{3x}$ $[x < 0]$
- 7** $\frac{6x}{x-1} < 1$ $[-\frac{1}{5} < x < 1]$
- 8** $\frac{x+1}{x-1} > \frac{3}{4}$ $[x < -7 \vee x > 1]$
- 9** $\frac{3x-1}{2-5x} < 0$ $[x < \frac{1}{3} \vee x > \frac{2}{5}]$
- 10** $\frac{x-3}{3x} + \frac{x}{6} \leq \frac{x^2+9}{6x} - \frac{x+3}{x}$ $[-\frac{3}{8} \leq x < 0]$
- 11** $\frac{x-1}{2x} \cdot \frac{1}{2x-2} \leq 2$ $[x < 0 \vee x \geq \frac{1}{8} \wedge x \neq 1]$
- 12** $\frac{6+(3-x)^2}{x+2} - 1 \geq \frac{2-x^2}{-x-2}$ $[-2 < x \leq \frac{15}{7}]$
- 13** $x - \frac{1}{2-3x} > \frac{2x-1}{2} + \frac{6x+1}{3x-2}$ $[-\frac{2}{9} < x < \frac{2}{3}]$
- 14** $\frac{5x-1}{4x-2} + \frac{2x+1}{2} > \frac{14x+8}{12x-6} + x$ $[x < \frac{1}{2} \vee x > 2]$