

risolvi i seguenti sistemi

1	$\begin{cases} 3x + 1 < 2x + 5 \\ x + 3 < 3x + 1 \end{cases}$	$1 < x < 4$
2	$\begin{cases} 2x + 1 \leq x + 4 \\ 5x - 2 > x - 1 \end{cases}$	$\frac{1}{4} < x \leq 3$
3	$\begin{cases} 4x - 2 \leq 10 + x \\ 1 - 2x \leq 1 - x \end{cases}$	$0 \leq x \leq 4$
4	$\begin{cases} 3x + 7 > x - 3 \\ 2 - x \geq 3x - 2 \end{cases}$	$-5 < x \leq 1$
5	$\begin{cases} 1 - x > 0 \\ 3 - x < 0 \end{cases}$	\emptyset
6	$\begin{cases} 1 + x < 0 \\ 3 + x > 0 \end{cases}$	$-3 < x < -1$
7	$\begin{cases} x + 2 > 5 \\ x - 5 > 0 \end{cases}$	$x > 5$
8	$\begin{cases} 3x + 2 < 7 \\ 4x + 3 \geq -6 \end{cases}$	$-\frac{9}{4} \leq x < \frac{5}{3}$
9	$\begin{cases} 2x - 3 \leq 7x + 1 \\ 4 + x \leq -4x + 1 \end{cases}$	$-\frac{4}{5} \leq x \leq -\frac{3}{5}$
10	$\begin{cases} 3 - 2x - 4 \leq -8 + x \\ 2 - 4x + 11 > -2x - 1 \end{cases}$	$\frac{7}{3} \leq x < 7$
11	$\begin{cases} 2(x + 1) < 7 - x \\ 3(x + 4) > 2 + 3(2x - 1) \end{cases}$	$x < \frac{5}{3}$

12	$\begin{cases} 3x + 9 + 2 < x - 1 \\ 2x - 3 > x + 7 \end{cases}$	\emptyset
13	$\begin{cases} 3x - 5 < 2x + 4 \\ -4x > 2 + 8\left(x - \frac{5}{8}\right) - 6x \end{cases}$	$x < \frac{1}{2}$
14	$\begin{cases} \frac{x+3}{2} - \frac{2}{3} < \frac{x-1}{6} - 1 \\ 2x - 2 > x + 1 \end{cases}$	\emptyset
15	$\begin{cases} 2x + \frac{1}{2}x - \frac{1}{6} < \frac{3}{2} \\ \frac{1}{2}x + x - 3 > -(5 + x) \end{cases}$	$-\frac{4}{5} < x < \frac{2}{3}$
16	$\begin{cases} 4\left(\frac{1}{8}x - 2\right) - \frac{x}{4} \leq \frac{x+3}{3} \\ \frac{1}{3}x + 2 > \frac{1}{2}x - \frac{x-5}{6} + 1 \end{cases}$	$x \geq -108$
17	$\begin{cases} \frac{1}{2}(2+x) - 1 > -\frac{1}{3}(x-1) \\ \frac{1}{5}(x+10) < \frac{1}{3}(x+6) \end{cases}$	$x > \frac{2}{5}$
18	$\begin{cases} \frac{1}{2}(x-1) < 2x \\ \frac{x+1}{2} < \frac{x-1}{3} \end{cases}$	\emptyset
19	$\begin{cases} \frac{x-1}{2} + \frac{x+1}{2} \geq 0 \\ x + \frac{1}{2} > 2x - 3 \end{cases}$	$0 \leq x < \frac{7}{2}$

20	$\begin{cases} \frac{x+3}{2} + 2 > \frac{x-1}{3} \\ \frac{x-1}{5} + 1 < 0 \end{cases}$	$-23 < x < -4$
21	$\begin{cases} x + 1 \geq \frac{3}{2}x \\ \frac{3x+1}{2} \geq x + \frac{3}{2} \end{cases}$	$x = 2$
22	$\begin{cases} \frac{2x+1}{3} - x \leq \frac{3-x}{2} \\ \frac{x-1}{2} + \frac{2}{3} > \frac{x-1}{6} \end{cases}$	$-1 < x \leq 7$
23	$\begin{cases} 6 + 2x > \frac{x}{3} \\ 2 - x > \frac{5x-1}{2} \end{cases}$	$-\frac{18}{5} < x < \frac{5}{7}$
24	$\begin{cases} \frac{3x-4}{5} + \frac{1}{8} \leq \frac{6x+7}{8} - x + 1 \\ 2x + 2 + \frac{3x-1}{5} < \frac{10x+1}{3} \end{cases}$	$2 < x \leq 3$
25	$\begin{cases} 7(3x+9) \geq 4(5x+16) \\ 9\left(\frac{7}{2}x - 3\right) < 5 - \frac{1}{2}x \end{cases}$	\emptyset
26	$\begin{cases} \frac{x+1}{2} + \frac{3x-4}{3} < \frac{6x+7}{6} - \frac{1}{8} \\ \frac{10x+1}{3} - \frac{3x-1}{5} > 2x + 2 \end{cases}$	$2 < x < \frac{15}{4}$
27	$\begin{cases} \frac{x-1}{5} - x < \frac{4-x}{2} \\ (1-x) + \frac{3}{2}x < 0 \end{cases}$	$-\frac{22}{3} < x < -2$
28	$\begin{cases} \frac{x-1}{3} + \frac{x-2}{2} < 2 \\ x - \frac{3-x}{2} > 1 \end{cases}$	$\frac{5}{3} < x < 4$

29	$\begin{cases} \frac{15x - 35}{6} - \frac{3}{4}x > \frac{14}{3} \\ 19(x - 7) > 57 \end{cases}$	$x > 10$
30	$\begin{cases} \frac{x}{2} - 1 \leq \frac{x + 2}{3} \\ x + 5 > \frac{x - 1}{4} \end{cases}$	$-7 < x \leq 10$
31	$\begin{cases} \frac{x}{3} + \frac{x}{5} \leq 8 \\ \frac{x}{2} - \frac{4}{9}x \leq 5 \end{cases}$	$x \leq 15$
32	$\begin{cases} \frac{1 - x}{4} - 2\frac{2 - x}{3} \geq 3 - x \\ \frac{x}{2} + 3 < x + 1 \end{cases}$	$x > 4$
33	$\begin{cases} \frac{1 - x}{2} - 2x \leq -(1 + 3x) \\ -3(x + 2) - 7 \geq \frac{1 + x}{-2} \end{cases}$	$x \leq -5$
34	$\begin{cases} 3x - 1 > 4 + x \\ x - 2 > 0 \\ 2x - 1 < x + 3 \end{cases}$	$\frac{5}{2} < x < 4$
35	$\begin{cases} 7 - 2x > 3x - 1 \\ x + 9 < 0 \\ 4(x + 1) + 3 > x - 1 \end{cases}$	\emptyset
36	$\begin{cases} 3x + 1 < 7 - 2x \\ 2x + 1 \leq x - 4 \\ 4x + 7 > x - 1 \end{cases}$	\emptyset
37	$\begin{cases} 5x - 2 > 4x - 1 \\ 16x - 16 < 7x + 69 \\ 4 - 3x < 4x + 11 \end{cases}$	$1 < x < \frac{85}{9}$

38	$\begin{cases} 7[(x-1)-6] > 0 \\ 3x > 2(15-x) \\ \frac{1}{2}x + \frac{1}{3}x > 7 + \frac{1}{4}x \end{cases}$	$x > 12$
39	$\begin{cases} 6x + 10 < x \\ \frac{x+1}{2} < \frac{1}{3}(x-1) \\ \frac{1}{3}(x-1) > \frac{x}{5} \end{cases}$	\emptyset
40	$\begin{cases} 3x + 2 < 7 - 2x \\ 48x < 3x + 10 \\ 11 - 2(x-3) > 1 - 3(x-5) \end{cases}$	$-1 < x < \frac{2}{9}$
41	$\begin{cases} 10x + 1 < 0 \\ 2x - \frac{3}{4} > x - \frac{1}{2} \\ 5x - 7 + \frac{x}{4} < x - 1 \end{cases}$	\emptyset
42	$\begin{cases} x + 2 > -5x - 1 \\ \frac{x+11}{2} - \frac{x-1}{3} > 0 \\ \frac{3x-1}{3} - 1 \geq 0 \end{cases}$	$x > \frac{4}{3}$
43	$\begin{cases} 3(4-x) - 5 < 18x \\ 23 - x < \frac{2}{5}x - \frac{1}{4}x \\ \frac{19}{9}x + x < \frac{5x+30}{3} \end{cases}$	\emptyset

44	$\begin{cases} 1 - \frac{4x - 1}{6} > \frac{1 - 6x}{3} + \frac{1}{6} \\ \frac{2(x - 3)}{3} + \frac{5}{3} \geq \frac{4x - 1}{2} \\ 2 - \frac{3 - 4x}{7} > \frac{x + 8}{14} \end{cases}$	$-\frac{1}{2} < x \leq \frac{1}{8}$
45	$\begin{cases} \frac{x - 4}{2} > \frac{x - 3}{4} \\ \frac{12x - 1}{8} > \frac{x + 1}{4} \\ \frac{2x - 3}{4} > \frac{x + 5}{6} \end{cases}$	$x > 5$
46	$\begin{cases} \frac{2x + 1}{6} > \frac{7x + 5}{24} \\ \frac{x - 6}{20} < \frac{x - 1}{3} \\ \frac{x + 4}{3} - \frac{x - 4}{5} < 2 + \frac{3x - 1}{15} \end{cases}$	$x > 3$
47	$\begin{cases} 18x + 5 > 3(4 - x) \\ \frac{2}{5}x - \frac{x}{4} + x > 23 \\ 5 + \frac{10}{9}x < \frac{5x + 30}{3} \end{cases}$	$x > 20$