Equazioni di primo grado numeriche intere

1	$\frac{1}{2}x - 1 = 0$	$x = 2$
2	$3x - 2 = 4x + 6$	$x = -8$
3	$-x + 4 = 7x$	$x = \frac{1}{2}$
4	$-2x + 5 = 6 - 3x$	$x = 1$
5	$3(3 + x) - x = 5x + 14$	$x = -\frac{5}{3}$
6	$-8x + 5 = 5 - 8x$	*indeterminata*
7	$4(x - 3) - 3(x - 5) = 3(x + 1)$	$x = 0$
8	$8(x + 3) = 8x - 24$	*impossibile*
9	$6(x + 3) - 3(x + 6) = 2(x - 5)$	$x = -10$
10	$4(2x - 3) - 5(3x - 2) = 8(1 - x)$	$x = 10$
11	$7(x - 18) = 3(x - 14) - 20$	$x = 16$
12	$\frac{1}{4}x + 3 = x - 6$	$x = 12$
13	$3(x - 2) - 40 = 9 + 7(x - 9)$	$x = 2$
14	$\frac{1}{2}x - 1 = \frac{1}{3}x + 2$	$x = 18$

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15	$1-[2-3(x+1)]=2(2+x)-4x$	$x=\frac{2}{5}$
16	$5(2x-10)+26=2(x+3)+10$	$x=5$
17	$(x+2)^2=x^2$	$x=-1$
18	$x(x+6)+x+9=x+(x+3)^2$	*indeterminata*
19	$(x-3)(x-2)=x(x-6)$	$x=-6$
20	$(x-6)(x+6)=(x-6)^2$	$x=6$
21	$(x-1)^2=x(x-2)$	*impossibile*
22	$(2x-3)^2-(2x+1)(2x-1)=10-12x$	*indeterminata*
23	$(x+1)^2=x^2+1$	$x=0$
24	$x(x^2-2)-(x+1)^3=3x-(3x^2+2)$	$x=\frac{1}{8}$
25	$[(x-1)(x+1)]^2=(x^2+1)^2-2(2x^2+1)-2x$	$x=-1$
26	$2(x-1)(x+1)+(2-x)^3=(4x-2)(1+2x)-x^3+8-12x$	*indeterminata*
27	$\frac{5-3x}{4}+\frac{5}{3}x=\frac{3}{2}-\frac{3-5x}{3}$	$x=1$
28	$\frac{1}{3}x+\frac{1}{2}=\frac{1}{4}x+\frac{1}{3}$	$x=-2$

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29	$\frac{x+1}{4}+\frac{5-4x}{6}=\frac{1}{4}-\frac{1}{2}x+3$	$x=26$
30	$x+2-\frac{1}{4}x=\frac{2x-5}{3}+\frac{x+10}{2}-1$	$x=-\frac{4}{5}$
31	$\frac{4x+3}{7}-\frac{2(x+2)}{2}=\frac{6x-5}{14}-(x-1)$	$x=\frac{31}{2}$
32	$\frac{x^2+2x}{2}-\frac{1}{2}(3x+1)=\frac{1}{4}(1-x)(2x+1)+x(x-1)$	$x=3$
33	$\left(\frac{x-2}{2}\right)^2-\frac{x(x+8)}{4}=\frac{4-x}{3}$	$x=-\frac{1}{8}$
34	$\frac{(x+2)^2}{12}+\frac{(x-4)(x-6)}{8}=\frac{(5x-2)(x-8)}{24}+\frac{28}{3}$	$x=8$
35	$\frac{1}{4}(3x-2)+\frac{1}{3}(2x-1)=\frac{1}{4}(5x+6)+\frac{1}{3}(4x+5)$	$x=-\frac{24}{7}$
36	$\frac{2(x-3)}{5}+\frac{1}{10}(5-x)=6-\frac{3-2x}{2}$	$x=-\frac{52}{7}$
37	$\frac{3}{2}\left(\frac{7}{6}-x\right)-2\left(x-\frac{2}{3}\right)=\frac{3}{2}\left(\frac{1}{2}-x\right)+\frac{4}{3}-1$	$x=1$
38	$\frac{7-5x}{2}-2x=-\frac{14x-11}{3}-\frac{1-x}{6}$	*indeterminata*
39	$\frac{4+5x}{2}-\frac{5}{6}+\frac{8-12x}{11}=\frac{6-7x}{3}-\frac{12x-8}{11}$	$x=\frac{5}{29}$
40	$\frac{6-2x}{5}+\frac{2-5x}{-5}=\frac{3x-5}{10}-\frac{x+4}{-3}$	$x=-1$
41	$(2x-1)^2=\left(2x+\frac{1}{2}\right)\left(2x-\frac{1}{2}\right)$	$x=\frac{5}{16}$
42	$\frac{1}{2}\left(\frac{1}{4}x-x\right)+\frac{1}{2}\left[3x+\frac{1}{3}\left(2-x+\frac{1}{4}\right)\right]=\frac{1}{8}(x-3)+\frac{1}{3}$	$x=-\frac{1}{2}$

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43	$4x(x+1)+\left(\frac{1}{2}-x\right)\left(x+\frac{1}{2}\right)=(2x+1)^2-x(x+1)$	$x=\frac{3}{4}$
44	$\frac{4}{5}\left[(x-2)^2+\left(-\frac{1}{2}x-2\right)\left(2-\frac{1}{2}x\right)\right]=x(x-5)-\frac{1}{5}x+1$	$x=\frac{1}{2}$
45	$10x-\frac{x+4}{0{,}4}=\frac{x-4}{2}+\frac{x-4}{0{,}2}$	$x=-6$
46	$(0{,}2x+1)(0{,}5x-3)=10(0{,}1x-0{,}5)^2$	$x=\frac{55}{9}$
47	$x-(0,\bar{3}x^2+1)(0,\bar{3}x^2-1)+3x\left[\left(\frac{1}{3}x+\frac{2}{3}\right)^3-\frac{2}{9}x(x+2)-\frac{8}{27}\right]=1$	$x=0$
48	$\frac{x+3}{\frac{1}{2}}-11=\frac{1-x}{\frac{1}{8}}-\frac{2x-1}{\frac{1}{3}}$	$x=1$
49	$\frac{x-4}{\frac{1}{5}}-\frac{x^2-1}{\frac{1}{2}}=-\left[7x+\frac{(x-3)^2}{\frac{1}{2}}\right]$	*indeterminata*
50	$10\left(\frac{3-\frac{x}{3}}{2-\frac{1}{3}}\right)=\left(\frac{x-\frac{1}{2}}{1+\frac{3}{2}}-\frac{x+\frac{3}{2}}{1-\frac{5}{2}}\right):\left(3-\frac{43}{15}\right)$	$x=\frac{6}{5}$
51	$\frac{5}{3}\left(\frac{4x-3}{5}+\frac{3}{4}\right)-\left(\frac{3x-11}{20}-\frac{1}{4}\right)+\frac{4}{3}=\frac{8(3x-1)}{15}$	$x=7$
52	$\frac{\frac{1}{2}-x}{\frac{1}{2}-1}-\frac{x+\frac{1}{3}}{\frac{1}{3}-1}-\frac{x}{6}=\frac{x-1}{3}-\frac{5}{3}-\frac{x+1}{2}$	$x=-\frac{4}{7}$
53	$2\left(1+\frac{2x-\frac{1}{2}}{1+\frac{1}{2}}\right)-\frac{5}{3}=\frac{3}{4}+\frac{5}{4}\left(\frac{x-\frac{2}{3}}{1-\frac{1}{2}}-1\right)+\frac{3}{4}$	$x=-\frac{13}{2}$
54	$\frac{\frac{2-x}{3}-\frac{3-x}{2}}{1-\frac{1}{6}}=\frac{\frac{x}{3}-\frac{x}{2}}{\frac{1}{3}+\frac{1}{2}}+1$	$x=5$
55	$\frac{x+1}{2}-\frac{x-1}{4}+\frac{3x-1}{4}=\frac{2x-1}{2}$	*impossibile*