Equacions de 1r grau

1. $\dfrac{x+1}{2} = \dfrac{2x-3}{5}$ $\qquad\qquad\qquad\qquad\qquad\qquad\qquad$ $x=-11$

2. $\dfrac{3x-2}{6} = \dfrac{5x+1}{2}$ $\qquad\qquad\qquad\qquad\qquad\qquad\qquad$ $x=-\dfrac{5}{12}$

3. $2+\dfrac{7x-1}{3} = \dfrac{2-5x}{4}-10$ $\qquad\qquad\qquad\qquad\qquad$ $x=-\dfrac{134}{43}$

4. $3-\dfrac{2x-5}{2} = 1+\dfrac{x+2}{10}$ $\qquad\qquad\qquad\qquad\qquad$ $x=\dfrac{43}{11}$

5. $\dfrac{x-1}{2} - \dfrac{x-2}{3} + \dfrac{x-3}{4} = 8$ $\qquad\qquad\qquad\qquad$ $x=\dfrac{103}{5}$

6. $6+\dfrac{5\cdot(x-3)}{4} = 1-\dfrac{2\cdot(2x-5)}{6}$ $\qquad\qquad\qquad$ $x=\dfrac{5}{23}$

7. $\dfrac{2x+1}{3} - 4\cdot\dfrac{5-x}{7}+1 = -2+\dfrac{2\cdot(7+2x)}{21}$ $\quad$ $x=\dfrac{2}{11}$

8. $1-\dfrac{2(x+3)}{3} + \dfrac{3\cdot(x-4)}{4} - \dfrac{4\cdot(x+5)}{5} = 0$ $\quad$ $x=-\dfrac{480}{43}$

9. $\dfrac{x+1}{4} = \dfrac{4x-3}{5}$ $\qquad\qquad\qquad\qquad\qquad\qquad\qquad$ $x=\dfrac{17}{11}$

10. $\dfrac{6x-2}{6} = \dfrac{5x+1}{4}$ $\qquad\qquad\qquad\qquad\qquad\qquad\qquad$ $x=-\dfrac{7}{3}$

11. $\dfrac{2x+1}{5} = \dfrac{x-4}{3}$ $\qquad\qquad\qquad\qquad\qquad\qquad\qquad$ $x=-23$

12. $\dfrac{x-2}{2} = \dfrac{7-3x}{4}$ $\qquad\qquad\qquad\qquad\qquad\qquad\qquad$ $x=\dfrac{11}{5}$

13. $3+\dfrac{2-x}{5} = \dfrac{3x+1}{2}-6$ $\qquad\qquad\qquad\qquad\qquad$ $x=\dfrac{89}{17}$

14. $2x+\dfrac{1+3x}{3} = 5-\dfrac{x-7}{2}$ $\qquad\qquad\qquad\qquad\qquad$ $x=\dfrac{7}{3}$

15. $x-\dfrac{x+2}{6} = \dfrac{5x-1}{3} - \dfrac{3x+1}{2}$ $\qquad\qquad\qquad$ $x=-\dfrac{3}{4}$

16. $\dfrac{5-x}{4} - \dfrac{2x+1}{6} = 1-\dfrac{x-2}{3}$ $\qquad\qquad\qquad\qquad$ $x=-\dfrac{7}{3}$

17. $\dfrac{3+2x}{15} - \dfrac{x-4}{3} = \dfrac{2-x}{5} - \dfrac{2x+4}{3}$ $\qquad\qquad$ $x=-\dfrac{37}{10}$

18. $5+\dfrac{2\cdot(x-4)}{3} - \dfrac{5\cdot(2x-1)}{6} + \dfrac{3\cdot(5-x)}{2} = \dfrac{3x+2}{6}$ $\quad$ $x=\dfrac{31}{9}$

19. $\dfrac{3\cdot(2-x)}{10} - \dfrac{2x-5}{4} = 6-\dfrac{2\cdot(1-3x)}{5}$ $\qquad$ $x=-\dfrac{15}{8}$

20. $7\cdot\dfrac{x-2}{4} - 5\cdot\dfrac{1-2x}{3} = \dfrac{5\cdot(x+2)}{6}$ $\qquad\qquad$ $x=\dfrac{82}{51}$

21. $\dfrac{3x-1}{7} = \dfrac{x+5}{2}$ $\qquad\qquad\qquad\qquad\qquad\qquad\qquad$ $x=-37$

22. $\dfrac{x-2}{3} = \dfrac{7x-1}{15}$ $\qquad\qquad\qquad\qquad\qquad\qquad\qquad$ $x=-\dfrac{9}{2}$

23. $-5+\dfrac{1-3x}{2} = \dfrac{3x+9}{6}+7$ $\qquad\qquad\qquad\qquad$ $x=-\dfrac{13}{2}$

24. $11+\dfrac{3x-5}{9} = 1+\dfrac{2x+9}{15}$ $\qquad\qquad\qquad\qquad$ $x=-\dfrac{398}{9}$

25. $\dfrac{x+1}{2} - \dfrac{x+2}{3} - \dfrac{x+3}{4} = 8$ $\qquad\qquad\qquad\qquad$ $x=-107$