Col.legi ”Pare Coll” – Dominiques de Girona – Matemàtiques

Equacions de primer grau. Recorda que primer cal treure els parèntesis, i que per les equacions de la forma $\frac{a}{b} = \frac{c}{d}$ va molt bé multiplicar en creu.

1. $2(x-1)+3 = 21+x-10$, Sol: $\{x = 10\}$

2. $3x-2 = 2+x$, Sol: $\{x = 2\}$

3. $4-2x+1 = 5$, Sol: $\{x = 0\}$

4. $5x = 25$, Sol: $\{x = 5\}$

5. $\frac{2x}{3} = \frac{4x+2}{7}$, Sol: $\{x = 3\}$

6. $\frac{x+1}{5} = \frac{4+x}{8}$, Sol: $\{x = 4\}$

7. $\frac{2+x}{4} = \frac{5+x}{8}$, Sol: $\{x = 1\}$

8. $\frac{2x-1}{-3} = \frac{-x-1}{2}$, Sol: $\{x = 5\}$

9. $\frac{4x}{3} = \frac{4(x-1)}{2}$, Sol: $\{x = 3\}$

10. $\frac{-x}{-4} = 2$, Sol: $\{x = 8\}$

11. $x+3(x-1) = 5(x+2)$, Sol: $\{x = -13\}$

12. $x-2 = 12(x-1)$, Sol: $\left\{x = \frac{10}{11}\right\}$

13. $\frac{3-x}{2} = \frac{2}{3}$, Sol: $\left\{x = \frac{5}{3}\right\}$

14. $3(x-1)+2x = 4-5x+2$, Sol: $\left\{x = \frac{9}{10}\right\}$

15. $3-2(x-3) = 5$, Sol: $\{x = 2\}$

16. $\frac{3x-1}{3} = \frac{2x-4}{5}$, Sol: $\left\{x = -\frac{7}{9}\right\}$

17. $\frac{2(x-1)}{3} = \frac{x}{2}$, Sol: $\{x = 4\}$

18. $\frac{-x}{5} = \frac{-3x+1}{2}$, Sol: $\left\{x = \frac{5}{13}\right\}$

19. $3x-4(x+5) = 20$, Sol: $\{x = -40\}$

20. $8-4(2-x) = 0$, Sol : $\{x = 0\}$