

SOLVING EQUATIONS INVOLVING FRACTIONS

1. $\frac{m}{4} = -3$

2. $\frac{1}{4}x = 5$

3. $-6 = \frac{3x}{5}$

4. $\frac{-2}{7}x = 6$

5. $-5 = \frac{-x}{6}$

6. $\frac{-m}{8} = -5$

7. $\frac{3}{4}t = \frac{2}{3}$

8. $\frac{2}{3} = -\frac{3}{5}t$

9. $\frac{-5}{6}x = \frac{3}{4}$

10. $\frac{3}{4}x = \frac{1}{2}$

11. $\frac{2y-3}{5} = 1$

12. $\frac{y-2}{5} = -\frac{1}{3}$

13. $\frac{1}{2}t = \frac{t-3}{4}$

14. $\frac{x-7}{4} = \frac{-3+x}{2}$

15. $\frac{1+2m}{3} = \frac{m-3}{2}$

16. $\frac{2}{5}(x-2) = -4$

17. $\frac{3}{4}(2x+1) = 2$

18. $\frac{2}{3}(3x+1) = 5$

19. $\frac{1+2t}{5} = \frac{2-6t}{2}$

20. $\frac{m+2}{5} = \frac{2m-7}{3}$

Answers: 1. $m=-12$, 2. $x=20$, 3. $x=-10$ 4. $x=-21$, 5. $x=30$, 6. $m=40$ 7. $t=8/9$, 8. $t=-10/9$, 9. $x=-9/10$, 10. $X=2/3$
11. $y=4$, 12. $y=1/3$, 13. $t=-3$, 14. $x=-1$, 15. $m=-11$, 16. $x=-8$, 17. $x=5/6$, 18. $x=13/6$, 19. $t=4/17$, 20. $m=41/7$