

Chapter 5 Section 6: Solving Equations Involving Fractions

Problems

Solve.

1. $4m + 6 = 9$

2. $6x - 5 = -4$

3. $5p + 18 = 10$

4. $-7u - 8 = 18$

5. $4w + 8 = 10$

6. $-3x + 21 = 14$

7. $-8x - 19 = -11$

8. $7x - 8 + 2x = 15$

9. $8x - 3x = 12x - 17$

10. $-3(k + 5) = 6k + 1$

11. $x - \frac{2}{3} = \frac{5}{12}$

12. $x + \frac{1}{4} = \frac{5}{6}$

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

14. $4\frac{1}{2} + c = 6\frac{2}{3}$

15. $-\frac{5}{6}n = 12$

16. $\frac{5a}{7} = 10$

17. $\frac{3g}{14} = -4$

18. $-\frac{3}{8}x = \frac{3}{4}$

19. $2x - \frac{7}{8} = \frac{1}{16}$

20. $3v - 5\frac{1}{2} = 8\frac{1}{12}$

21. $-\frac{2}{9}y - 1 = 7$

22. $\frac{3m}{4} - \frac{1}{2} = \frac{5}{8}$

23. $\frac{2}{3}x + \frac{1}{5} = \frac{1}{6}$

24. $3 - \frac{1}{5}m = \frac{2}{15}$

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25. $-\frac{3}{7}x + \frac{2}{14} = \frac{1}{2}$

26. $\frac{7w}{11} - \frac{5}{11} = 4$

27. $\frac{3t}{4} + \frac{7}{8} = \frac{1}{16}$

28. $\frac{d}{6} - \frac{3}{4} = \frac{5}{12}$

29. $\frac{x}{5} + x = -\frac{24}{5}$

30. $9x - \frac{2}{7} - 8x = \frac{11}{14}$
