

2-3-1: Solving Multi-Step Equations with FRACTIONS & DECIMALS

Name: _____

Date: _____

Algebra 1

Band: _____

LT#3: Solve multi-step equations in one variable.

Solve each equation. Check your answer.

1. $\frac{2b}{5} + \frac{3b}{4} = 3$

2. $\frac{1}{9} = \frac{5}{6} - \frac{m}{3}$

3. $0.5x - 2.325 = 3.95$

4. $\frac{2m}{7} + \frac{3m}{14} = 1$

5. $1.2 = 2.4 - 0.6x$

6. $1.3 + 0.5x = -3.41$

7. $-\frac{2}{9}x - 4 = \frac{7}{18}$

8. $\frac{b}{13} - \frac{3b}{13} = \frac{8}{13}$

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

10. $\frac{n}{5} - \frac{3n}{10} = \frac{1}{5}$

11. $\frac{2}{3} + \frac{3m}{5} = \frac{31}{15}$

12. $\frac{n}{2} - \frac{2n}{16} = \frac{3}{8}$

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13. $\frac{b}{3} + \frac{1}{8} = 19$

14. $\frac{1}{4} + \frac{4x}{5} = \frac{11}{20}$

15. $\frac{11z}{16} + \frac{7z}{8} = \frac{5}{16}$

16. $\frac{x}{3} - \frac{7x}{12} = \frac{2}{3}$

17. $1.06g - 3 = 0.71$

18. $0.11k + 1.5 = 2.49$

19. $1.025v + 2.458 = 7.583$

20. $1.12 + 1.25g = 8.62$

21. $25.24 = 5g + 3.89$

22. $0.25n + -0.1n = 9.8$

23. $\frac{2}{3}(c - 18) = 7$

24. $3d + d - 7 = \frac{25}{4}$