

Practice 7-3

Multi-Step Equations With Fractions and Decimals

Solve and check each equation.

1. $0.7n - 1.5 + 7.3n = 14.5$

2. $18p - 45 = 0$

3. $16.3k + 19.2 + 7.5k = -64.1$

4. $h + 3h + 4h = 100$

5. $40 - 5n = -2$

6. $14 = \frac{2}{3}(9y - 15)$

7. $\frac{2}{3}y - 6 = 2$

8. $1.2m + 7.5m + 2.1 = 63$

9. $\frac{7}{8}h - \frac{5}{8} = 2$

10. $93.96 = 4.7p + 8.7p - 2.6p$

11. $9w - 16.3 = 5.3$

12. $88.1 - 2.3f = 72.46$

13. $-15.3 = -7.5k + 55.2$

14. $26e + 891 = -71$

15. $2.3(x + 1.4) = -9.66$

16. $(x - 17.7) + 19.6 = 27.8$

Write an equation to describe each situation. Solve.

17. Jolene bought three blouses at one price and 2 blouses priced \$3 below the others. The total cost was \$91.50. Find the prices of the blouses.

18. A car rented for \$29 per day plus \$.08 per mile. Julia paid \$46.12 for a one-day rental. How far did she drive?

By what number would you multiply each equation to clear denominators or decimals? Do not solve.

19. $\frac{1}{3}z + \frac{1}{6} = 5\frac{1}{6}$

20. $3.7 + 2.75k = 27.35$
