

Grade 7 Hon Prep Work
6.4 Solving Equations Level 4

Name _____

Date _____

Solve.

1. $\frac{2y}{5} + 5 = -9$

2. $-\frac{8}{3}c - 2 = 6$

3. $20 = \frac{4n}{7} + 8$

4. $15 - \frac{3}{2}x = 12$

5. $16 + \frac{4h}{9} = 16$

6. $-\frac{3}{4}t - 8 = -8$

7. $-10 = -10 + \frac{7c}{10}$

8. $15 = 7 + \frac{12z}{7}$

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

10. $-33 = -\frac{8}{11}h - 35$

11. $\frac{14a}{9} - 17 = 18$

12. $6u + \frac{9}{4} = 0$

13. $\frac{4}{7} + 2m = 2$

14. $-7x + 3 = -\frac{15}{2}$

15. $2z + 5 = \frac{9}{5}$

16. $4h - \frac{8}{7} = -\frac{2}{7}$

17. $\frac{1}{6} = 10w + \frac{5}{6}$

18. $9c + \frac{1}{4} = \frac{5}{8}$

19. $\frac{11}{9} = -\frac{1}{3} + 7d$

20. $\frac{11}{12} - 15y = \frac{9}{8}$

$$21. \quad 6t - \frac{5}{6} = \frac{7}{15}$$

$$22. \quad -2x + \frac{1}{4} = \frac{3}{10}$$

$$23. \quad 0 = \frac{2m}{9} - \frac{2}{3}$$

$$24. \quad \frac{4}{15}r + \frac{8}{5} = 0$$

$$25. \quad \frac{5}{2} - \frac{d}{10} = 0$$

$$26. \quad \frac{2}{5} - \frac{1}{5}r = 2$$

$$27. \quad 4 = -\frac{x}{4} - \frac{3}{2}$$

$$28. \quad \frac{1}{6}y - 1 = \frac{2}{3}$$

$$29. \quad \frac{n}{8} + \frac{5}{4} = 3$$

$$30. \quad \frac{x}{3} - \frac{7}{6} = 3$$

Answer List

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|---------------------|---------------------|---------------------|
| 1. -35 | 2. -3 | 3. 21 |
| 4. 2 | 5. 0 | 6. 0 |
| 7. 0 | 8. $\frac{14}{3}$ | 9. $\frac{15}{2}$ |
| 10. $-\frac{11}{4}$ | 11. $\frac{45}{2}$ | 12. $-\frac{3}{8}$ |
| 13. $\frac{5}{7}$ | 14. $\frac{3}{2}$ | 15. $-\frac{8}{5}$ |
| 16. $\frac{3}{14}$ | 17. $-\frac{1}{15}$ | 18. $\frac{1}{24}$ |
| 19. $\frac{2}{9}$ | 20. $-\frac{1}{72}$ | 21. $\frac{13}{60}$ |
| 22. $-\frac{1}{40}$ | 23. 3 | 24. -6 |
| 25. 25 | 26. -12 | 27. -22 |
| 28. 10 | 29. 14 | 30. $\frac{25}{2}$ |

Catalog List

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|----------------|----------------|----------------|
| 1. ALG GC 101 | 2. ALG GC 102 | 3. ALG GC 103 |
| 4. ALG GC 104 | 5. ALG GC 105 | 6. ALG GC 106 |
| 7. ALG GC 108 | 8. ALG GC 109 | 9. ALG GC 110 |
| 10. ALG GC 111 | 11. ALG GC 112 | 12. ALG GC 114 |
| 13. ALG GC 116 | 14. ALG GC 117 | 15. ALG GC 118 |
| 16. ALG GC 119 | 17. ALG GC 120 | 18. ALG GC 121 |
| 19. ALG GC 122 | 20. ALG GC 125 | 21. ALG GC 126 |
| 22. ALG GC 128 | 23. ALG GC 129 | 24. ALG GC 130 |
| 25. ALG GC 131 | 26. ALG GC 133 | 27. ALG GC 134 |
| 28. ALG GC 135 | 29. ALG GC 136 | 30. ALG GC 137 |