

NAME _____

Module 3 Solving Linear Equations
of One Variable
Lesson 5 Solving Multi-Step Linear Equations



**additional
practice**

Solve each equation. Check your solution.

- | | |
|---|--|
| 1. $3y + 5 = 23$ $y = 6$ | 2. $-13 + 7v = 120$ $v = 19$ |
| 3. $75 = 4k - 17$ $k = 23$ | 4. $-437 = -112 + 25t$ $t = -13$ |
| 5. $-53 = -119 - 6g$ $g = 11$ | 6. $8W - 43 = 83 + 2W$ $W = 21$ |
| 7. $-5B + 6 = -4B + 38$ $B = -32$ | 8. $745 - 3f = 5f + 121$ $f = 78$ |
| 9. $5 - 2(z + 3) = -29$ $z = 14$ | 10. $7 - 4(m + 3) = -169$ $m = 41$ |
| 11. $(n + 1) + 2(n + 2) + 3(n + 3) = 98$
$n = 14$ | 12. $3p - 4(p - 2) + 3(p + 5) = 113$
$p = 45$ |
| 13. $12c + 2(c + 1) - 3 = 5c + 9$
$c = \frac{10}{9}$ or $1\frac{1}{9}$ | 14. $15R - 4(R - 7) - 72 = 3R$
$R = \frac{11}{2}$ or $5\frac{1}{2}$ |
| 15. $\frac{3d}{5} = -9$ $d = -15$ | 16. $\frac{11a}{7} = 121$ $a = 77$ |
| 17. $15.95j - 21.6 = 100.44 - j$
$j = 7.2$ | 18. $0.1x + 0.11x - 4.3 = 0.3x - 4.597$
$x = 3.3$ |
| 19. $\frac{T}{9} + \frac{2}{3} = 5 - T$
$T = \frac{39}{10}$ or $3\frac{9}{10}$ | 20. $\frac{n}{5} + \frac{2}{3} = -\frac{n}{15} + 2$
$n = 5$ |

