

Chapter 3 — Solving One-Step Equations

Worksheet B: Independent Practice

Name: _____ Grade: _____ Date: _____

1. A bank account has \$18 after a withdrawal of \$35. Write and solve an equation for the amount in the account before the withdrawal.

2. A store price is reduced by \$9 to become \$26. Write and solve an equation for the original price.

3. Three equal groups contain 45 items altogether. Write and solve an equation for the number of items in one group.

4. Solve: $-8n=56$

5. A student divides a number by 4 and gets -8. Write and solve an equation for the original number.

6. A student solves $-4x=36$ and writes $x=9$. Identify the error and write the correct solution.

7. Solve: $3.5q=21$

8. Solve: $p \div 7 = -6$

9. Solve: $s+(-12)=-5$

10. The temperature is -7°C after dropping 15°C . Write and solve an equation for the starting temperature.

11. A student solves $y \div (-5) = 4$ and writes $y = 20$. Identify the error and write the correct solution.

12. Solve: $x + 17 = 29$

13. Solve: $m - 14 = -3$

14. Solve: $-1.5v = 12$

15. Solve: $r \div (-9) = -4$

16. Solve: $t - (-9) = 2$

17. Solve: $(-u) \div 5 = -3$

18. Write a one-step equation with solution $x=11$. Then show a check.

19. A student says that $x \div 8 = -5$ is not a one-step equation because division is involved. Is the student correct? Explain. Then solve and check the equation.

20. Is $n=-6$ a solution to $n+10=4$? Show the check.
