

LESSON
11-9

Practice B
Solving Integer Equations

Solve each equation. Check your answers.

1. $x - 4 = -10$

2. $-2x = 8$

3. $-3 + x = 12$

4. $x \div 6 = -9$

5. $-7 + x = -15$

6. $35 = -5x$

7. $-45 \div x = -5$

8. $x - 9 = -1$

9. $36 \div x = -6$

10. $x - 10 = -12$

11. $-8x = 56$

12. $x \div 7 = -9$

13. $3x = -36$

14. $15 + x = 21$

15. $-4x = 64$

16. $x \div (-3) = -5$

17. $x \div -12 = -5$

18. $x - 13 = -9$

19. $-7 + x = 4$

20. $-9x = 54$

21. $49 \div x = -7$

22. If you multiply a value x by -2 and the product is -14 , what sign is the value of x ? Explain.

23. You separate an amount into 3 equal groups of -6 . Write and solve a division equation to model this situation.
