

Lesson 5 Homework Practice

More Two-Step Equations

Solve each equation. Check your solution.

1. $3(x + 5) = 18$

2. $4(x + 8) = 44$

3. $-5(x - 10) = -35$

4. $-9(x - 4) = 81$

5. $7(x + 4.9) = 56$

6. $-12(x + 6.2) = 60$

7. $\frac{2}{3}(x + 13) = 22$

8. $-\frac{7}{9}(x + 3) = 14$

9. $-\frac{4}{7}\left(x - \frac{1}{4}\right) = \frac{3}{7}$

10. $\frac{5}{8}\left(x - \frac{1}{3}\right) = \frac{5}{12}$

11. $8.3(x + 3.1) = 83$

12. $-7.2(x - 15.6) = -9$

Write an equation to represent each situation. Then solve the equation.

13. **SCHOOL** Half of the students in Max's class volunteer at the local community center. Fifteen students do not volunteer. If there are 12 boys in Max's class, how many girls are in his class?

14. **GEOMETRY** The perimeter of the square shown is $4(x + 3.3)$ meters. What is the value of x if the perimeter is 28 meters?



$(x + 3.3)$ m

15. **SUPPLIES** Tony spent \$60.54 and bought 3 packs of notebooks and a calculator. How much does a pack of notebooks cost if a calculator costs \$45.87?