

Equations with More Than One Operation

1. $12a + 24 = 48$ _____
2. $4z - 8 = 32$ _____
3. $\frac{x}{5} - 10 = 2$ _____
4. $\frac{p}{3} + 6 = 42$ _____
5. $5b + 15 = 30$ _____
6. $7n + 14 = 21$ _____
7. $\frac{c}{4} + 3 = 5$ _____
8. $\frac{q}{2} - 4 = 18$ _____
9. $17 + 3y = 38$ _____
10. $\frac{m}{4} - 17 = 4$ _____
11. $\frac{c}{12} + 12 = 21$ _____
12. $8z - 13 = 7$ _____

For **13** and **14**, write and solve an equation.

13. Yoshi's age is twice Bart's age plus 3. Yoshi is 13 years old. How old is Bart?

14. Caleb and Winona both travel by car to their friend's home. The distance Winona traveled was 124 miles less than twice the distance Caleb traveled. If Winona traveled 628 miles, how far did Caleb travel?

15. **Critical Thinking** Explain the mistake in this solution and find the correct solution.

$$6x + 15 = 69$$

$$6x = 84$$

$$x = 14$$

16. **Number Sense** Which is the value of n when $4n + 16 = 64$?

A $n = 4$

B $n = 8$

C $n = 12$

D $n = 16$

17. **Writing to Explain** Explain how to solve the equation $6x - 3 = 39$.
