

PRACTICE –Mini Lesson #3 (Math 7 PLUS)
Solving One and Two-Step Equations

SOLVE and CHECK the following equations.

1. $-32 = x - 78$

2. $-9m = -108$

3. $\frac{-t}{7} = 13$

4. $-5y + 7 = 27$

5. $-6 - 4d = -34$

6. $\frac{w}{2} + 7 = 21$

7. $12 - \frac{n}{4} = 1$

8. $\frac{y}{-6} - (-12) = -30$

9. $-63 = -6a + 15$

Write an equation for each word problem. Solve the equation and answer the word problem. Show your work.

10. Fifteen less than twice a number x is negative thirty-seven.

Answer: _____

11. The quotient of w and negative 6, increased by 9 is negative 15.

Answer: _____

12. Janet has read 110 pages of a 290-page book. If she reads 20 pages per day, how many days will it take to finish the book?

Answer: _____

13. You had \$235 in your savings account nine weeks ago. You withdrew the same amount each week for eight weeks. Your balance was then \$75. How much did you withdraw each week?

Answer: _____

14. You borrow \$350 to buy a bicycle. You agree to pay \$100 the first week, and then \$25 each week until the balance is paid off. How many weeks will it take you to pay for the bicycle?

Answer: _____

15. Carlos runs several times a week to practice for a 5-K race. He has already run 17 miles, and his goal is to run a total of 74 miles. If he runs 3 miles each time he runs, how many more times must he run to reach his goal?

Answer: _____