

3.3/3.4 Practice

Name _____

Solve the equation. Check your solution.

1. $x + 3 = 10$

2. $b - 6 = -14$

3. $5 = n + 9$

4. $y - 2.1 = 7.5$

5. $-6.4 = x + 4.3$

6. $k - \frac{1}{3} = \frac{5}{6}$

7. $10.5 + p = -8.32$

8. $3\frac{3}{4} = r + \frac{1}{8}$

9. $m + 1.06 = 5$

10. $-\frac{3}{5}a = 2$

11. $\frac{k}{-9} = -\frac{1}{3}$

12. $\frac{5}{8}j = -10$

13. $\frac{1}{5}d = -3$

14. $14 = 3y$

15. $\frac{g}{2.1} = -6.8$

Write the word sentence as an equation. Then solve.

16. 5 more than a number y is -2 .

17. The sum of 8 and a number h is 12.

18. A number multiplied by $\frac{1}{2}$ is $-\frac{5}{12}$.

19. The quotient of a number and 0.2 is -2.6 .

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In Exercises 20-23, write an equation. Then solve.

20. Your family took a road trip on Saturday. You were in the car for 4.5 hours and averaged 70 miles per hour. How many miles did you travel?
21. The area of a rectangle is $\frac{1}{2}$ square inch. The length of the rectangle is $\frac{3}{8}$ inch. What is the width of the rectangle?
22. The difference between the heights of your chair and your desk is $-10\frac{1}{4}$ inches. The height of your desk is $29\frac{3}{4}$ inches. What is the height of your chair?
23. Your Two-Day-Pass to a theme park is \$76.50. This is \$31.41 less than your uncle's Two-Day-Pass. What is the price of your uncle's pass?