

Lesson 3.4 Extra Practice

Solve the equation. Check your solution.

1. $y - 2.1 = 7.5$

$y = 9.6$

4. $10.5 + p = -8.32$

$p = -18.82$

7. $4b = 24$

$b = 6$

10. $\frac{p}{5} = -32$

$p = -160$

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

$d = -15$

2. $-6.4 = x + 4.3$

$-10.7 = x$

5. $3\frac{3}{4} = r + \frac{1}{8}$

$r = 3\frac{5}{8}$

8. $-7n = 35$

$n = -5$

11. $-3t = -4.2$

$t = 1.4$

14. $14 = 3y$

$y = 4\frac{2}{3}$

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

6. $m + 1.06 = 5$

$m = 3.94$

9. $\frac{y}{-3} = 33$

$y = 99$

12. $1.5q = -8.4$

$q = -5.6$

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

$g = -14.28$

16. Your mother asked you to turn the oven down to 325 °F. This is 75 °F less than it was. What was the original temperature?

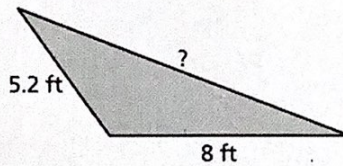
$x - 75 = 325$ $x = 400^\circ$

17. 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?

$x - 31.41 = 76.50$

$x = \$107.91$

18. The perimeter of the triangle is 25 feet. What is the length of the unknown side?



$5.2 + 8 + x = 25$

$13.2 + x = 25$

$x = 11.8$

19. 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?

$4\frac{1}{2}x = 70$

$x = 315$ miles

20. 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?

$A = l \cdot w$

$\frac{1}{2} = \frac{3}{8}w$

$\frac{1}{3} = w$

21. You are in a room with other students and are asked to get in groups of 3. When finished, there are 21 groups of 3. How many students are in the room?

$\frac{x}{3} = 21$

$x = 63$ students

22. The perimeter of a square is 26.46 inches. What is the side length of the square?



$P = 26.46$

$4x = 26.46$

4 sides of a square

$x = 6.615$ in