

Solving Equations with Multiplication and Division

$$\begin{aligned}2x &= 12 \\ \frac{2x}{2} &= \frac{12}{2} \\ x &= 6\end{aligned}$$

$$\begin{aligned}-\frac{3}{4}y &= 15 \\ -\frac{4}{3} \cdot -\frac{3}{4}y &= 15 \cdot -\frac{4}{3} \\ y &= -20\end{aligned}$$

1. $3x = -21$

11. $\frac{3x}{4} = -24$

2. $-7y = 28$

12. $-\frac{x}{3} = \frac{4}{9}$

3. $-28 = -196x$

13. $-\frac{3}{7} = \frac{a}{14}$

4. $-15a = -45$

14. $3a = -\frac{1}{4}$

5. $-x = 17$

15. $\frac{a}{2.4} = 0.26$

6. $-21 = -2x$

16. $-\frac{1}{99}y = 0$

7. $-12b = -288$

17. $-1.5x = 6$

8. $12x = -60$

18. $-12.5 = 4n$

9. $\frac{a}{5} = -6$

19. $-3.7w = -11.1$

10. $-\frac{2}{5}y = -14$

20. $\frac{y}{6} = -\frac{2}{3}$