

Solving Equations with Multiplication and Division Worksheet Answer Key

The “Times” They Are A-Changin’

Solve the following equations.

1. $\frac{n}{-5} = \frac{-3}{8}$

$$n = \frac{15}{8} = 1\frac{7}{8}$$

2. $-\frac{x}{5} = \frac{9}{10}$

$$x = -\frac{9}{2}$$

3. $\frac{4}{9}A = 4.67(2 - 2)$

$$A = 0$$

4. $\frac{1}{3}a - 1 = |-10|$

$$z = 33$$

5. $(6 - \frac{3}{12}(24))z = 3(5 - \frac{1}{2})$

$$\text{No solution}$$

6. $3(2t - 3) + 7t = 4$

$$t = 1$$

7. $5[x - 3 - 4(3 - x)] = 4(1 + 6x) + x$

$$\text{No solution}$$

8. $\frac{1}{2z} = 4$

$$z = \frac{1}{8}$$

9. $9x + 5 = 7 - 6x$

$$x = \frac{2}{15}$$

10. $0.2l + (1 - \frac{4}{5})l = 4$

$$l = 10$$

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