

Name :

Two-Step Algebraic Equations

Solve each equation.

1 $-4 = \frac{x}{6}$

2 $7w + 2 = -19$

3 $-10 + 5v = -25$

4 $\frac{4e}{5} + (-1) = -11$

5 $-\frac{5}{2}x + \frac{1}{2} = \frac{11}{2}$

6 $\frac{y-10}{4} = -12$

7 $\frac{n+(-2)}{10} = 4$

8 $\frac{q}{6} + \frac{2}{3} = 1$

9 $\frac{5+3m}{4} = 0$

10 $\frac{4k}{5} - 10 = -20$

Two-Step Algebraic Equations

Answers

$$\boxed{1} \quad -4 = \frac{x}{6}$$

$$x = -24$$

$$\boxed{2} \quad 7w + 2 = -19$$

$$w = -3$$

$$\boxed{3} \quad -10 + 5v = -25$$

$$v = -3$$

$$\boxed{4} \quad \frac{4e}{5} + (-1) = -11$$

$$e = -12\frac{4e}{5}$$

$$\boxed{5} \quad -\frac{5}{2}x + \frac{1}{2} = \frac{11}{2}$$

$$x = -2$$

$$\boxed{6} \quad \frac{y-10}{4} = -12$$

$$y = -38$$

$$\boxed{7} \quad \frac{n+(-2)}{10} = 4$$

$$n = 42$$

$$\boxed{8} \quad \frac{q}{6} + \frac{2}{3} = 1$$

$$q = 2$$

$$\boxed{9} \quad \frac{5+3m}{4} = 0$$

$$m = -1\frac{2}{3}$$

$$\boxed{10} \quad \frac{4k}{5} - 10 = -20$$

$$k = -12\frac{1}{2}$$