

Two-Step Equations | Solve and Verify

Answer Key

Solve each equation and verify your answer.

$$1) \quad \frac{5}{8}a + \frac{7}{4} = 9a$$

$$a = \underline{\frac{14}{67}}$$

$$2) \quad -3q + 20 = 2q$$

$$q = \underline{4}$$

$$3) \quad -6.1 - 0.2z = 7.2$$

$$z = \underline{-66.5}$$

$$4) \quad \frac{x}{4} - \frac{7}{3} = -\frac{2}{3}$$

$$x = \underline{\frac{20}{3} \text{ or } 6\frac{2}{3}}$$

$$5) \quad 9.5m - 8.2 = 7$$

$$m = \underline{1.6}$$

$$6) \quad 6t + 13 = 5t - 2$$

$$t = \underline{-15}$$

$$7) \quad -\frac{5}{9} + \frac{4}{9}v = \frac{4}{9}$$

$$v = \underline{\frac{9}{4} \text{ or } 2\frac{1}{4}}$$

$$8) \quad -5 = \frac{k-6}{2}$$

$$k = \underline{-4}$$

$$9) \quad -5.6 = 2.4 + 0.8u$$

$$u = \underline{-10}$$

$$10) \quad 7\frac{1}{4} = -\frac{1}{4}c + \frac{5}{4}$$

$$c = \underline{-24}$$