



Solving Multi Step Equations

Name _____

Score _____

MS:04

Solve each equation.

$$1) \quad \frac{2(2v-3)}{5} = \frac{2}{5}$$

$$2) \quad \frac{\frac{1}{3}a + 2}{\left(\frac{4}{9}\right)} = \frac{3}{2}$$

$$3) \quad \frac{2}{3} - 3m = \frac{1}{2} + m$$

$$4) \quad \frac{3}{4}(k-1) = \frac{1}{4} + k$$

$$5) \quad \frac{7\left(y - \frac{5}{7}\right)}{\left(\frac{1}{2}\right)} = \frac{8}{3}$$

$$6) \quad \frac{\frac{2}{3}\left(d - \frac{5}{7}\right)}{2} + \frac{2}{5} = \frac{4}{5}$$

$$7) \quad \frac{h}{3} - \frac{1}{5} = \frac{3}{5} - \frac{4}{3}h$$

$$8) \quad \frac{1}{4} - 2x + \frac{5}{6}x - 1 = 0$$



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Answer key

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Solve each equation.

1)
$$\frac{2(2v-3)}{5} = \frac{2}{5}$$

$$v = 2$$

2)
$$\frac{\frac{1}{3}a + 2}{\left(\frac{4}{9}\right)} = \frac{3}{2}$$

$$a = -4$$

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

$$t = \frac{1}{24}$$

4)
$$\frac{3}{4}(k-1) = \frac{1}{4} + k$$

$$k = -4$$

5)
$$\frac{7\left(y - \frac{5}{7}\right)}{\left(\frac{1}{2}\right)} = \frac{8}{3}$$

$$y = \frac{19}{21}$$

6)
$$\frac{\frac{2}{3}\left(d - \frac{5}{7}\right)}{2} + \frac{2}{5} = \frac{4}{5}$$

$$d = \frac{67}{35}$$

7)
$$\frac{h}{3} - \frac{1}{5} = \frac{3}{5} - \frac{4}{3}h$$

$$h = \frac{12}{25}$$

8)
$$\frac{1}{4} - 2x + \frac{5}{6}x - 1 = 0$$

$$x = -\frac{9}{14}$$