



Solving Two Step Equations

Name _____

Score _____

TS:07

Solve each equation.

1) $\frac{x}{2} + \frac{1}{3} = \frac{2}{3}$

2) $\frac{3}{7}(a - 5) = \frac{6}{14}$

3) $\frac{v + \frac{1}{2}}{4} = 1\frac{1}{2}$

4) $2(h + 1) = \frac{1}{5}$

5) $\frac{b}{4} - \frac{4}{9} = \frac{5}{6}$

6) $\frac{y - \frac{3}{4}}{\frac{7}{8}} = 1$

7) $\frac{2}{5}\left(n + \frac{1}{2}\right) = -2$

8) $\frac{p - 6}{\frac{3}{4}} = \frac{2}{3}$



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Answer key

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Solve each equation.

1) $\frac{x}{2} + \frac{1}{3} = \frac{2}{3}$

$x = \frac{2}{3}$

2) $\frac{3}{7}(a - 5) = \frac{6}{14}$

$a = 6$

3) $\frac{v + \frac{1}{2}}{4} = 1\frac{1}{2}$

$v = \frac{11}{2}$ or $5\frac{1}{2}$

4) $2(h + 1) = \frac{1}{5}$

$h = -\frac{9}{10}$

5) $\frac{b}{4} - \frac{4}{9} = \frac{5}{6}$

$b = \frac{46}{9}$ or $5\frac{1}{9}$

6) $\frac{y - \frac{3}{4}}{\frac{7}{8}} = 1$

$y = \frac{13}{8}$ or $1\frac{5}{8}$

7) $\frac{2}{5}\left(n + \frac{1}{2}\right) = -2$

$n = -\frac{11}{2}$ or $-5\frac{1}{2}$

8) $\frac{p - 6}{\frac{3}{4}} = \frac{2}{3}$

$p = \frac{13}{2}$ or $6\frac{1}{2}$