WORKSHEET: SOLVING TWO-STEP EQUATIONS INVOLVING FRACTIONS

1) $b + \frac{1}{3} = \frac{1}{4}$	2) $\frac{1}{3} + \frac{1}{3}p = \frac{2}{3}$
3) $n - \frac{8}{9} = -3$	4) $\frac{3}{7} = \frac{2}{5} + \frac{q}{7}$
5) $\frac{8}{3} = 2t - \frac{2}{3}t$	6) $\frac{3}{7}(x + 1) = \frac{7}{3}$
7) $\frac{1}{5} = \frac{2}{3}r - \frac{4}{5}$	8) $\frac{a}{3} - \frac{3}{5} = -\frac{2}{5}$

ANSWERS

1) $b + \frac{1}{3} = \frac{1}{4}$ $b = -\frac{1}{12}$	2) $\frac{1}{3} + \frac{1}{3}p = \frac{2}{3}$ $p = 1$
3) $n - \frac{8}{9} = -3$ $n = -\frac{19}{9}$	4) $\frac{3}{7} = \frac{2}{5} + \frac{q}{7}$ $q = \frac{1}{5}$
5) $\frac{8}{3} = 2t - \frac{2}{3}t$ $t = 2$	6) $\frac{3}{7}(x + 1) = \frac{7}{3}$ $x = \frac{40}{9}$
7) $\frac{1}{5} = \frac{2}{3}r - \frac{4}{5}$ $r = \frac{3}{2}$	8) $\frac{a}{3} - \frac{3}{5} = -\frac{2}{5}$ $a = \frac{3}{5}$

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