

Solving Equations with Fractional Coefficients

(a)	(b)	(c)
Solve $\frac{2}{3}x + 1 = 4$ $x = \frac{9}{2}$	Solve $\frac{1}{10} + \frac{4}{5}x = \frac{3}{4}$ $x = \frac{13}{16}$	Solve $\frac{5}{6} = \frac{1}{3}x - \frac{1}{2}$ $x = 4$
(d)	(e)	(f)
Solve $\frac{1}{6}x + 1 = \frac{2}{3}x - \frac{5}{12}$ $x = \frac{17}{6}$	Solve $\frac{1}{2} - \frac{3}{5}x = \frac{3}{10}x - 1$ $x = \frac{5}{3}$	Solve $\frac{7}{12}x - \frac{3}{4} = \frac{1}{3} + x$ $x = -\frac{13}{5}$
(g)	(h)	(i)
Solve $\frac{2}{3}\left(x + \frac{1}{2}\right) = \frac{3}{4}$ $x = \frac{5}{8}$	Solve $\frac{1}{2}\left(\frac{1}{4} + x\right) = \frac{5}{8}x - \frac{3}{4}$ $x = 7$	Solve $\frac{4}{7}\left(\frac{1}{2} - 2x\right) = \frac{3}{2}\left(x + \frac{1}{7}\right)$ $x = \frac{1}{37}$