

Solving Equations V (some answers fractions)

Calculator not permitted.

Solve the following equations, giving answers where appropriate as mixed fractions:

1. (a) $a + \frac{1}{2} = 4$
(b) $m - 2\frac{1}{2} = 3$
(c) $4h = 1\frac{1}{7}$
(d) $h \div 3 = 4\frac{2}{3}$
(e) $10c = 2\frac{1}{2}$
(f) $7\frac{1}{3} + p = 14$
(g) $m \div 4 = 4\frac{1}{2}$
(h) $r - \frac{1}{2} = \frac{3}{4}$
(i) $z + 2\frac{1}{3} = 1\frac{1}{6}$
(j) $1\frac{1}{2}y = \frac{3}{4}$
(k) $6\frac{1}{3} + c = 6\frac{1}{2}$
(l) $f - \frac{6}{7} = 2\frac{1}{2}$
2. (a) $3k + 2 = 4$
(b) $3(y - 4) = 1$
(c) $\frac{b}{2} - 3 = \frac{1}{2}$
(d) $\frac{x - 1}{3} = 2\frac{1}{3}$
(e) $\frac{a}{3} + 2 = \frac{1}{2}$
(f) $2p + 3 = 12$
(g) $\frac{r - 1\frac{1}{2}}{2} = 3\frac{1}{4}$
(h) $5(t + 3) = 22$
(i) $\frac{z}{2} + 1\frac{2}{3} = 4\frac{1}{3}$
(j) $\frac{g + 1}{5} = 2\frac{4}{5}$
(k) $2(s + 1) = 1\frac{1}{7}$
(l) $6p - 2 = 5$