

Multi-Step Equations

Solve each equation.

1) $0.5 = \frac{3.7t + 0.1}{4.2t - 7.8}$

$t =$ _____

2) $-0.2(5v + 6) = 1.2 + v$

$v =$ _____

3) $12 + 2b = -9 - 5b$

$b =$ _____

4) $\frac{1}{4} - \left(\frac{8}{7} + 3q\right) = \frac{1}{2}$

$q =$ _____

5) $\frac{2(n - 1)}{n} = \frac{4}{5}$

$n =$ _____

6) $5.3(a - 5) = 3(1 + 3.5a) - 0.9$

$a =$ _____

7) $13 + 6y = 9y - 14$

$y =$ _____

8) $9\left(m + \frac{1}{6}\right) = 4m + \frac{3}{2}$

$m =$ _____