

Multi-Step Equations | Decimals

Solve each equation.

1) $\frac{1.7b + 3}{4} = 1.6$

$b =$ _____

2) $2(8.8 - 5.5x) = 2x + 4.6$

$x =$ _____

3) $6.9t - 9.1 = 4.3t + 3.9$

$t =$ _____

4) $-8 - 5.6d = -3.2 + 2.4d$

$d =$ _____

5) $3 - 1.5v = -3(0.8v + 0.2)$

$v =$ _____

6) $-1.7n - 7.4 - 0.7n = 0.7n + 1.9$

$n =$ _____

7) $6k + 3.1 = 6 - (-3k - 3.4)$

$k =$ _____

8) $\frac{z + 2.8}{8} = 0.3z$

$z =$ _____

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Answer key

Solve each equation.

1) $\frac{1.7b + 3}{4} = 1.6$

$b = \underline{\quad 2 \quad}$

2) $2(8.8 - 5.5x) = 2x + 4.6$

$x = \underline{\quad 1 \quad}$

3) $6.9t - 9.1 = 4.3t + 3.9$

$t = \underline{\quad 5 \quad}$

4) $-8 - 5.6d = -3.2 + 2.4d$

$d = \underline{\quad -0.6 \quad}$

5) $3 - 1.5v = -3(0.8v + 0.2)$

$v = \underline{\quad -4 \quad}$

6) $-1.7n - 7.4 - 0.7n = 0.7n + 1.9$

$n = \underline{\quad -3 \quad}$

7) $6k + 3.1 = 6 - (-3k - 3.4)$

$k = \underline{\quad 2.1 \quad}$

8) $\frac{z + 2.8}{8} = 0.3z$

$z = \underline{\quad 2 \quad}$