



Two-step equations - decimals

Solve each equation.

1) $-112.74 = 9.2p - 9.7$

2) $144.651 = 4.5 + 9.3k$

3) $232.3 = 7.4 + 9.821m$

4) $236.91 = -9.9r + 0.3$

5) $-11.818 = -7 + \frac{x}{3.3}$

6) $-3.3 + \frac{x}{8.5} = -1.005$

$$7) -3 = 7.3 + \frac{n}{2}$$

$$8) -5.7v + 9.4 = -56.15$$

$$9) -11.81x - 7.1 = -189.918$$

$$10) 2.4 + \frac{n}{8} = 2.675$$

$$11) -5.53 = -7.6 + \frac{n}{7.2}$$

$$12) 11.655 = \frac{b}{7.01} + 10.2$$

$$13) -44.739 = -8.2 + 6.3x$$

$$14) \frac{k}{5.6} - 4.7 = -4.896$$

$$15) 123.392 = 11.042 - 10.7x$$

$$16) -1.467 = \frac{a}{6.8} - 1.1$$

$$17) \frac{m}{10.8} + 5.3 = 4.022$$

$$18) 1 + \frac{p}{5.1} = -2.627$$

$$19) -5.4 - 5.916n = 123.568$$

$$20) 129.74 = -5.7x - 2.5$$

$$21) \frac{m}{2.5} - 3.06 = 6.144$$

$$22) 8.141 = \frac{n}{12} + 8.9$$

$$23) \frac{x}{9.1} + 7.5 = 8.851$$

$$24) 3.9 + 5.6n = 80.06$$

$$25) -96.847 = -11.63b + 6.66$$

$$26) \frac{v}{5.4} - 3.1 = -2.303$$

$$27) 12.64 = \frac{r}{10.3} + 11$$

$$28) -10.2 + \frac{x}{8.7} = -10.096$$

$$29) 33.65 = 9.6 - 6.5a$$

$$30) 10.877 = \frac{x}{11.6} + 11.2$$

Answers to Two-step equations - decimals

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|--------------------------|--------------------|--------------------------|--------------------|
| 1) $\{-11.2\}$ | 2) $\{15.07\}$ | 3) $\{22.8999083596\}$ | 4) $\{-23.9\}$ |
| 5) $\{-15.8994\}$ | 6) $\{19.5075\}$ | 7) $\{-20.6\}$ | 8) $\{11.5\}$ |
| 9) $\{15.4799322608\}$ | 10) $\{2.2\}$ | 11) $\{14.904\}$ | 12) $\{10.19955\}$ |
| 13) $\{-5.79984126984\}$ | 14) $\{-1.0976\}$ | 15) $\{-10.5\}$ | 16) $\{-2.4956\}$ |
| 17) $\{-13.8024\}$ | 18) $\{-18.4977\}$ | 19) $\{-21.7998647735\}$ | 20) $\{-23.2\}$ |
| 21) $\{23.01\}$ | 22) $\{-9.108\}$ | 23) $\{12.2941\}$ | 24) $\{13.6\}$ |
| 25) $\{8.9\}$ | 26) $\{4.3038\}$ | 27) $\{16.892\}$ | 28) $\{0.9048\}$ |
| 29) $\{-3.7\}$ | 30) $\{-3.7468\}$ | | |