

1. Solve for x as shown below.

Example: $5 + x = 8$ or, $x = 8 - 5 = 3$	$5 - x = 8$ or, $x = 5 - 8 = -3$	$5 \times x = 10$ or, $x = \frac{10}{5} = 2$	$\frac{x}{5} = 10$ or, $x = 5 \times 10 = 50$
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a. $4 + x = 7$

l. $3 \times x = -6$

b. $4 - x = 7$

m. $x \times \frac{1}{5} = 2$

c. $x + 5 = -7$

n. $x \times \frac{1}{2} = 4$

d. $x + 1 = -4$

o. $\frac{x}{4} = -3$

e. $x + 5 = 2$

p. $\frac{2}{7} \times x = \frac{8}{21}$

f. $x - 2.3 = -2.3$

q. $\frac{1}{5} x = -4$

g. $x + 3 = 0$

r. $5x = -4$

h. $x - 3 = 8$

s. $\frac{1}{2} x = -1$

i. $6 = x + 7$

t. $2x = 0$

j. $x - 1 = -5$

u. $-3 = -9x$

k. $x - 3 = -2$

v. $\frac{-x}{7} = 1$

Solving Equations Part II

2. Solve for x as shown below.

Example:

$$\begin{aligned} \text{i. } x + 7.4 &= 6.2 \\ \text{or, } x &= 6.2 - 7.4 = -1.2 \end{aligned}$$

$$\begin{aligned} \text{ii. } -\frac{2}{5} + x &= -\frac{4}{5} \\ \text{or, } x &= -\frac{4}{5} + \frac{2}{5} = -\frac{2}{5} \end{aligned}$$

Note: In equation, equal quantity can be added to both sides or subtracted from both sides. i.e. $x + 7.4 - 7.4 = 6.2 - 7.4$ and $-\frac{2}{5} + \frac{2}{5} + x = -\frac{4}{5} + \frac{2}{5}$.

$$\begin{aligned} \text{a. } x + 3 &= -7 \\ \text{or, } x &= -7 - \square \\ \therefore x &= \end{aligned}$$

$$\text{h. } x + \frac{3}{7} = \frac{3}{7}$$

$$\text{b. } x + 5.2 = 2.5$$

$$\text{i. } x + \frac{4}{5} = \frac{7}{5}$$

$$\text{c. } x + 6.6 = 8$$

$$\text{j. } x - \frac{1}{4} = \frac{3}{4}$$

$$\text{d. } x - 6.1 = -7.2$$

$$\text{k. } x + \frac{1}{3} = -\frac{1}{4}$$

$$\text{e. } x - 9 = -9$$

$$\text{l. } -1 + x = \frac{2}{3}$$

$$\text{f. } x - 2.8 = 0.8$$

$$\text{m. } 4.7 + x = 0$$

$$\text{g. } x - 17 = 25$$

$$\text{n. } x + \frac{5}{12} = \frac{1}{4}$$