

Simple Linear Equations (I)

Solve for each variable.

1. $x + 6 = -4$

6. $-3z - 7 = 8$

11. $\frac{v}{-6} = 5$

2. $-3u = 3$

7. $-4 - \frac{a}{9} = -8$

12. $\frac{-24}{x} + 5 = 9$

3. $b + (-8) = -13$

8. $\frac{y}{2} = 3$

13. $v - 1 = 3$

4. $\frac{c}{8} = 9$

9. $-8 - \frac{-9}{y} = -11$

14. $\frac{z}{3} = 3$

5. $v + (-10) = -1$

10. $\frac{-45}{c} = 5$

15. $8 - \frac{z}{-9} = 2$

Simple Linear Equations (I) Answers

Solve for each variable.

$$1. \begin{aligned} x + 6 &= -4 \\ x &= -10 \end{aligned}$$

$$6. \begin{aligned} -3z - 7 &= 8 \\ z &= -5 \end{aligned}$$

$$11. \begin{aligned} \frac{v}{-6} &= 5 \\ v &= -30 \end{aligned}$$

$$2. \begin{aligned} -3u &= 3 \\ u &= -1 \end{aligned}$$

$$7. \begin{aligned} -4 - \frac{a}{9} &= -8 \\ a &= 36 \end{aligned}$$

$$12. \begin{aligned} \frac{-24}{x} + 5 &= 9 \\ x &= -6 \end{aligned}$$

$$3. \begin{aligned} b + (-8) &= -13 \\ b &= -5 \end{aligned}$$

$$8. \begin{aligned} \frac{y}{2} &= 3 \\ y &= 6 \end{aligned}$$

$$13. \begin{aligned} v - 1 &= 3 \\ v &= 4 \end{aligned}$$

$$4. \begin{aligned} \frac{c}{8} &= 9 \\ c &= 72 \end{aligned}$$

$$9. \begin{aligned} -8 - \frac{-9}{y} &= -11 \\ y &= -3 \end{aligned}$$

$$14. \begin{aligned} \frac{z}{3} &= 3 \\ z &= 9 \end{aligned}$$

$$5. \begin{aligned} v + (-10) &= -1 \\ v &= 9 \end{aligned}$$

$$10. \begin{aligned} \frac{-45}{c} &= 5 \\ c &= -9 \end{aligned}$$

$$15. \begin{aligned} 8 - \frac{z}{-9} &= 2 \\ z &= -54 \end{aligned}$$