

Simple Linear Equations (H)

Solve for each variable.

1. $\frac{36}{z} + 8 = 14$

6. $\frac{b}{7} + (-8) = -14$

11. $10 + \frac{v}{4} = 16$

2. $6 - \frac{x}{3} = 4$

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

12. $\frac{40}{c} + 9 = 13$

3. $9 + \frac{-10}{a} = 11$

8. $\frac{90}{y} - 10 = -19$

13. $-1 + \frac{b}{-4} = 3$

4. $\frac{c}{-2} - (-8) = 17$

9. $7 - \frac{81}{y} = 16$

14. $\frac{-56}{z} + 3 = 11$

5. $-8 - \frac{18}{c} = -17$

10. $\frac{v}{-6} - (-10) = 16$

15. $-8 + \frac{10}{x} = -6$

Simple Linear Equations (H) Answers

Solve for each variable.

$$1. \frac{36}{z} + 8 = 14$$
$$z = 6$$

$$6. \frac{b}{7} + (-8) = -14$$
$$b = -42$$

$$11. 10 + \frac{v}{4} = 16$$
$$v = 24$$

$$2. 6 - \frac{x}{3} = 4$$
$$x = 6$$

$$7. \frac{12}{x} + 5 = 9$$
$$x = 3$$

$$12. \frac{40}{c} + 9 = 13$$
$$c = 10$$

$$3. 9 + \frac{-10}{a} = 11$$
$$a = -5$$

$$8. \frac{90}{y} - 10 = -19$$
$$y = -10$$

$$13. -1 + \frac{b}{-4} = 3$$
$$b = -16$$

$$4. \frac{c}{-2} - (-8) = 17$$
$$c = -18$$

$$9. 7 - \frac{81}{y} = 16$$
$$y = -9$$

$$14. \frac{-56}{z} + 3 = 11$$
$$z = -7$$

$$5. -8 - \frac{18}{c} = -17$$
$$c = 2$$

$$10. \frac{v}{-6} - (-10) = 16$$
$$v = -36$$

$$15. -8 + \frac{10}{x} = -6$$
$$x = 5$$