

## Simple Linear Equations (H)

Solve for each variable.

1.  $\frac{8}{c} + 10 = 18$

6.  $8 + \frac{30}{b} = 13$

11.  $8 + \frac{80}{c} = 16$

2.  $8 + \frac{18}{y} = 14$

7.  $3 + \frac{32}{z} = 7$

12.  $8 + \frac{8}{y} = 12$

3.  $3 + \frac{2}{v} = 5$

8.  $\frac{28}{u} + 7 = 11$

13.  $2 + \frac{6}{a} = 5$

4.  $\frac{36}{v} - 1 = 5$

9.  $\frac{15}{a} + 8 = 11$

14.  $2 + \frac{64}{x} = 10$

5.  $\frac{8}{v} + 10 = 18$

10.  $\frac{15}{y} + 9 = 12$

15.  $\frac{8}{v} - 1 = 7$

## Simple Linear Equations (H) Answers

Solve for each variable.

$$1. \frac{8}{c} + 10 = 18$$
$$c = 1$$

$$6. 8 + \frac{30}{b} = 13$$
$$b = 6$$

$$11. 8 + \frac{80}{c} = 16$$
$$c = 10$$

$$2. 8 + \frac{18}{y} = 14$$
$$y = 3$$

$$7. 3 + \frac{32}{z} = 7$$
$$z = 8$$

$$12. 8 + \frac{8}{y} = 12$$
$$y = 2$$

$$3. 3 + \frac{2}{v} = 5$$
$$v = 1$$

$$8. \frac{28}{u} + 7 = 11$$
$$u = 7$$

$$13. 2 + \frac{6}{a} = 5$$
$$a = 2$$

$$4. \frac{36}{v} - 1 = 5$$
$$v = 6$$

$$9. \frac{15}{a} + 8 = 11$$
$$a = 5$$

$$14. 2 + \frac{64}{x} = 10$$
$$x = 8$$

$$5. \frac{8}{v} + 10 = 18$$
$$v = 1$$

$$10. \frac{15}{y} + 9 = 12$$
$$y = 5$$

$$15. \frac{8}{v} - 1 = 7$$
$$v = 1$$