

Simple Linear Equations (H)

Solve for each variable.

1. $\frac{c}{5} + 8 = 13$

6. $\frac{30}{y} + 1 = 7$

11. $1 + \frac{c}{6} = 7$

2. $5 + \frac{c}{3} = 11$

7. $\frac{b}{7} + 5 = 8$

12. $\frac{16}{u} + 2 = 10$

3. $\frac{12}{x} + 10 = 16$

8. $4 + \frac{27}{y} = 7$

13. $\frac{8}{y} + 9 = 17$

4. $\frac{27}{v} + 6 = 9$

9. $\frac{v}{6} - 4 = 2$

14. $\frac{b}{9} - 5 = 2$

5. $\frac{c}{3} + 7 = 13$

10. $\frac{81}{c} + 8 = 17$

15. $\frac{72}{v} - 6 = 3$

Simple Linear Equations (H) Answers

Solve for each variable.

$$1. \frac{c}{5} + 8 = 13$$
$$c = 25$$

$$6. \frac{30}{y} + 1 = 7$$
$$y = 5$$

$$11. 1 + \frac{c}{6} = 7$$
$$c = 36$$

$$2. 5 + \frac{c}{3} = 11$$
$$c = 18$$

$$7. \frac{b}{7} + 5 = 8$$
$$b = 21$$

$$12. \frac{16}{u} + 2 = 10$$
$$u = 2$$

$$3. \frac{12}{x} + 10 = 16$$
$$x = 2$$

$$8. 4 + \frac{27}{y} = 7$$
$$y = 9$$

$$13. \frac{8}{y} + 9 = 17$$
$$y = 1$$

$$4. \frac{27}{v} + 6 = 9$$
$$v = 9$$

$$9. \frac{v}{6} - 4 = 2$$
$$v = 36$$

$$14. \frac{b}{9} - 5 = 2$$
$$b = 63$$

$$5. \frac{c}{3} + 7 = 13$$
$$c = 18$$

$$10. \frac{81}{c} + 8 = 17$$
$$c = 9$$

$$15. \frac{72}{v} - 6 = 3$$
$$v = 8$$