

Simple Linear Equations (J)

Solve for each variable.

1. $\frac{-12}{y} - (-4) = 7$

6. $b - 3 = -7$

11. $\frac{c}{9} - 10 = -1$

2. $-9z = -72$

7. $\frac{-56}{u} - (-10) = 18$

12. $\frac{c}{8} = -8$

3. $-2b + 7 = 21$

8. $\frac{b}{-4} = 7$

13. $3b = -6$

4. $\frac{x}{8} = 8$

9. $\frac{-20}{y} = 2$

14. $\frac{-30}{c} - 4 = -1$

5. $9 + \frac{z}{3} = 17$

10. $\frac{72}{x} = 9$

15. $6 - \frac{50}{a} = 1$

Simple Linear Equations (J) Answers

Solve for each variable.

$$1. \frac{-12}{y} - (-4) = 7$$
$$y = -4$$

$$6. b - 3 = -7$$
$$b = -4$$

$$11. \frac{c}{9} - 10 = -1$$
$$c = 81$$

$$2. -9z = -72$$
$$z = 8$$

$$7. \frac{-56}{u} - (-10) = 18$$
$$u = -7$$

$$12. \frac{c}{8} = -8$$
$$c = -64$$

$$3. -2b + 7 = 21$$
$$b = -7$$

$$8. \frac{b}{-4} = 7$$
$$b = -28$$

$$13. 3b = -6$$
$$b = -2$$

$$4. \frac{x}{8} = 8$$
$$x = 64$$

$$9. \frac{-20}{y} = 2$$
$$y = -10$$

$$14. \frac{-30}{c} - 4 = -1$$
$$c = -10$$

$$5. 9 + \frac{z}{3} = 17$$
$$z = 24$$

$$10. \frac{72}{x} = 9$$
$$x = 8$$

$$15. 6 - \frac{50}{a} = 1$$
$$a = 10$$