

Simple Linear Equations

Solve for each variable.

1. $\frac{a}{8} = -4$

6. $2z = 2$

11. $10 - \frac{b}{2} = 3$

2. $b - (-5) = 13$

7. $-1 - \frac{y}{8} = -7$

12. $\frac{y}{-7} = -7$

3. $3 + \frac{18}{z} = 12$

8. $\frac{8}{u} - (-2) = 6$

13. $\frac{b}{7} = -5$

4. $-9 + \frac{36}{a} = -5$

9. $a - 2 = -10$

14. $\frac{-2}{c} = 2$

5. $u + 2 = -8$

10. $\frac{u}{6} = 3$

15. $\frac{c}{5} + 3 = 8$

Simple Linear Equations Answers

Solve for each variable.

$$1. \frac{a}{8} = -4$$
$$a = -32$$

$$6. 2z = 2$$
$$z = 1$$

$$11. 10 - \frac{b}{2} = 3$$
$$b = 14$$

$$2. b - (-5) = 13$$
$$b = 8$$

$$7. -1 - \frac{y}{8} = -7$$
$$y = 48$$

$$12. \frac{y}{-7} = -7$$
$$y = 49$$

$$3. 3 + \frac{18}{z} = 12$$
$$z = 2$$

$$8. \frac{8}{u} - (-2) = 6$$
$$u = 2$$

$$13. \frac{b}{7} = -5$$
$$b = -35$$

$$4. -9 + \frac{36}{a} = -5$$
$$a = 9$$

$$9. a - 2 = -10$$
$$a = -8$$

$$14. \frac{-2}{c} = 2$$
$$c = -1$$

$$5. u + 2 = -8$$
$$u = -10$$

$$10. \frac{u}{6} = 3$$
$$u = 18$$

$$15. \frac{c}{5} + 3 = 8$$
$$c = 25$$