

Simple Linear Equations (E)

Solve for each variable.

1. $2 + \frac{18}{v} = 11$

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

11. $\frac{-72}{c} + 6 = 14$

2. $\frac{40}{c} - (-5) = 13$

7. $3 - \frac{a}{9} = 6$

12. $7 - \frac{18}{b} = 13$

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

8. $\frac{a}{6} - 1 = 6$

13. $\frac{u}{3} - 9 = -17$

4. $-7 + \frac{72}{u} = 2$

9. $10 - \frac{x}{-9} = 7$

14. $-2 - \frac{z}{-3} = 2$

5. $\frac{z}{7} - 8 = 1$

10. $\frac{z}{-4} - 7 = -2$

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

Simple Linear Equations (E) Answers

Solve for each variable.

$$1. 2 + \frac{18}{v} = 11$$
$$v = 2$$

$$6. 5 + \frac{x}{5} = 10$$
$$x = 25$$

$$11. \frac{-72}{c} + 6 = 14$$
$$c = -9$$

$$2. \frac{40}{c} - (-5) = 13$$
$$c = 5$$

$$7. 3 - \frac{a}{9} = 6$$
$$a = -27$$

$$12. 7 - \frac{18}{b} = 13$$
$$b = -3$$

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

$$8. \frac{a}{6} - 1 = 6$$
$$a = 42$$

$$13. \frac{u}{3} - 9 = -17$$
$$u = -24$$

$$4. -7 + \frac{72}{u} = 2$$
$$u = 8$$

$$9. 10 - \frac{x}{-9} = 7$$
$$x = -27$$

$$14. -2 - \frac{z}{-3} = 2$$
$$z = 12$$

$$5. \frac{z}{7} - 8 = 1$$
$$z = 63$$

$$10. \frac{z}{-4} - 7 = -2$$
$$z = -20$$

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