

Simple Linear Equations (F)

Solve for each variable.

1. $\frac{-8}{x} + 4 = 8$

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

11. $\frac{4}{b} + 9 = 11$

2. $\frac{a}{8} - (-5) = 13$

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

12. $\frac{42}{x} + 9 = 16$

3. $\frac{x}{2} + 5 = 10$

8. $5 - \frac{28}{z} = 12$

13. $\frac{v}{-8} - (-6) = 9$

4. $7 + \frac{x}{9} = 13$

9. $-3 - \frac{z}{8} = 2$

14. $-4 - \frac{15}{v} = -7$

5. $\frac{y}{3} + 5 = 11$

10. $\frac{u}{-5} - (-5) = 7$

15. $8 - \frac{-3}{y} = 11$

Simple Linear Equations (F) Answers

Solve for each variable.

$$1. \frac{-8}{x} + 4 = 8$$
$$x = -2$$

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

$$11. \frac{4}{b} + 9 = 11$$
$$b = 2$$

$$2. \frac{a}{8} - (-5) = 13$$
$$a = 64$$

$$7. 2 - \frac{-10}{c} = 4$$
$$c = 5$$

$$12. \frac{42}{x} + 9 = 16$$
$$x = 6$$

$$3. \frac{x}{2} + 5 = 10$$
$$x = 10$$

$$8. 5 - \frac{28}{z} = 12$$
$$z = -4$$

$$13. \frac{v}{-8} - (-6) = 9$$
$$v = -24$$

$$4. 7 + \frac{x}{9} = 13$$
$$x = 54$$

$$9. -3 - \frac{z}{8} = 2$$
$$z = -40$$

$$14. -4 - \frac{15}{v} = -7$$
$$v = 5$$

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

$$10. \frac{u}{-5} - (-5) = 7$$
$$u = -10$$

$$15. 8 - \frac{-3}{y} = 11$$
$$y = 1$$