

Simple Linear Equations (A)

Solve for each variable.

1. $\frac{-48}{u} = 8$

6. $\frac{42}{b} = 6$

11. $\frac{30}{y} = 3$

2. $\frac{4}{a} = 2$

7. $\frac{-9}{y} = 9$

12. $\frac{-40}{u} = 4$

3. $\frac{16}{b} = 4$

8. $\frac{-48}{c} = 6$

13. $\frac{-42}{v} = 7$

4. $\frac{16}{a} = -2$

9. $\frac{-35}{x} = 5$

14. $\frac{-48}{v} = 6$

5. $\frac{-20}{b} = -2$

10. $\frac{24}{b} = 8$

15. $\frac{-6}{y} = 3$

Simple Linear Equations (A) Answers

Solve for each variable.

$$1. \frac{-48}{u} = 8$$
$$u = -6$$

$$6. \frac{42}{b} = 6$$
$$b = 7$$

$$11. \frac{30}{y} = 3$$
$$y = 10$$

$$2. \frac{4}{a} = 2$$
$$a = 2$$

$$7. \frac{-9}{y} = 9$$
$$y = -1$$

$$12. \frac{-40}{u} = 4$$
$$u = -10$$

$$3. \frac{16}{b} = 4$$
$$b = 4$$

$$8. \frac{-48}{c} = 6$$
$$c = -8$$

$$13. \frac{-42}{v} = 7$$
$$v = -6$$

$$4. \frac{16}{a} = -2$$
$$a = -8$$

$$9. \frac{-35}{x} = 5$$
$$x = -7$$

$$14. \frac{-48}{v} = 6$$
$$v = -8$$

$$5. \frac{-20}{b} = -2$$
$$b = 10$$

$$10. \frac{24}{b} = 8$$
$$b = 3$$

$$15. \frac{-6}{y} = 3$$
$$y = -2$$

Simple Linear Equations (B)

Solve for each variable.

1. $\frac{32}{b} = -4$

6. $\frac{-72}{x} = 9$

11. $\frac{4}{u} = -4$

2. $\frac{-6}{y} = 3$

7. $\frac{18}{a} = 9$

12. $\frac{-42}{c} = 6$

3. $\frac{-25}{z} = 5$

8. $\frac{-72}{v} = -8$

13. $\frac{63}{a} = -9$

4. $\frac{18}{b} = 6$

9. $\frac{15}{x} = 5$

14. $\frac{-21}{v} = 3$

5. $\frac{18}{u} = 6$

10. $\frac{48}{b} = 6$

15. $\frac{27}{x} = -3$

Simple Linear Equations (B) Answers

Solve for each variable.

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

$$6. \frac{-72}{x} = 9$$
$$x = -8$$

$$11. \frac{4}{u} = -4$$
$$u = -1$$

$$2. \frac{-6}{y} = 3$$
$$y = -2$$

$$7. \frac{18}{a} = 9$$
$$a = 2$$

$$12. \frac{-42}{c} = 6$$
$$c = -7$$

$$3. \frac{-25}{z} = 5$$
$$z = -5$$

$$8. \frac{-72}{v} = -8$$
$$v = 9$$

$$13. \frac{63}{a} = -9$$
$$a = -7$$

$$4. \frac{18}{b} = 6$$
$$b = 3$$

$$9. \frac{15}{x} = 5$$
$$x = 3$$

$$14. \frac{-21}{v} = 3$$
$$v = -7$$

$$5. \frac{18}{u} = 6$$
$$u = 3$$

$$10. \frac{48}{b} = 6$$
$$b = 8$$

$$15. \frac{27}{x} = -3$$
$$x = -9$$

Simple Linear Equations (C)

Solve for each variable.

1. $\frac{-6}{x} = -2$

6. $\frac{-50}{y} = 5$

11. $\frac{-27}{u} = -3$

2. $\frac{-42}{c} = 6$

7. $\frac{-70}{c} = -7$

12. $\frac{8}{c} = 4$

3. $\frac{63}{y} = -9$

8. $\frac{49}{u} = -7$

13. $\frac{-30}{y} = 3$

4. $\frac{27}{y} = 3$

9. $\frac{-72}{b} = -9$

14. $\frac{9}{c} = -9$

5. $\frac{-30}{b} = -3$

10. $\frac{15}{u} = 3$

15. $\frac{-70}{z} = -7$

Simple Linear Equations (C) Answers

Solve for each variable.

$$1. \frac{-6}{x} = -2$$
$$x = 3$$

$$6. \frac{-50}{y} = 5$$
$$y = -10$$

$$11. \frac{-27}{u} = -3$$
$$u = 9$$

$$2. \frac{-42}{c} = 6$$
$$c = -7$$

$$7. \frac{-70}{c} = -7$$
$$c = 10$$

$$12. \frac{8}{c} = 4$$
$$c = 2$$

$$3. \frac{63}{y} = -9$$
$$y = -7$$

$$8. \frac{49}{u} = -7$$
$$u = -7$$

$$13. \frac{-30}{y} = 3$$
$$y = -10$$

$$4. \frac{27}{y} = 3$$
$$y = 9$$

$$9. \frac{-72}{b} = -9$$
$$b = 8$$

$$14. \frac{9}{c} = -9$$
$$c = -1$$

$$5. \frac{-30}{b} = -3$$
$$b = 10$$

$$10. \frac{15}{u} = 3$$
$$u = 5$$

$$15. \frac{-70}{z} = -7$$
$$z = 10$$

Simple Linear Equations (D)

Solve for each variable.

1. $\frac{-8}{u} = 8$

6. $\frac{-4}{x} = 4$

11. $\frac{9}{y} = 3$

2. $\frac{-60}{c} = -6$

7. $\frac{5}{x} = -5$

12. $\frac{-30}{u} = 3$

3. $\frac{54}{z} = 6$

8. $\frac{72}{z} = -9$

13. $\frac{-45}{a} = 9$

4. $\frac{-54}{c} = -9$

9. $\frac{-35}{z} = 5$

14. $\frac{-28}{v} = 7$

5. $\frac{-18}{z} = -9$

10. $\frac{-56}{z} = -7$

15. $\frac{32}{u} = 8$

Simple Linear Equations (D) Answers

Solve for each variable.

$$1. \frac{-8}{u} = 8$$
$$u = -1$$

$$6. \frac{-4}{x} = 4$$
$$x = -1$$

$$11. \frac{9}{y} = 3$$
$$y = 3$$

$$2. \frac{-60}{c} = -6$$
$$c = 10$$

$$7. \frac{5}{x} = -5$$
$$x = -1$$

$$12. \frac{-30}{u} = 3$$
$$u = -10$$

$$3. \frac{54}{z} = 6$$
$$z = 9$$

$$8. \frac{72}{z} = -9$$
$$z = -8$$

$$13. \frac{-45}{a} = 9$$
$$a = -5$$

$$4. \frac{-54}{c} = -9$$
$$c = 6$$

$$9. \frac{-35}{z} = 5$$
$$z = -7$$

$$14. \frac{-28}{v} = 7$$
$$v = -4$$

$$5. \frac{-18}{z} = -9$$
$$z = 2$$

$$10. \frac{-56}{z} = -7$$
$$z = 8$$

$$15. \frac{32}{u} = 8$$
$$u = 4$$

Simple Linear Equations (E)

Solve for each variable.

1. $\frac{-15}{u} = 3$

6. $\frac{27}{u} = 3$

11. $\frac{-9}{b} = -9$

2. $\frac{-72}{b} = -8$

7. $\frac{-81}{v} = -9$

12. $\frac{-32}{b} = -4$

3. $\frac{16}{a} = 2$

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

13. $\frac{12}{x} = 6$

4. $\frac{7}{z} = 7$

9. $\frac{-5}{x} = -5$

14. $\frac{-20}{y} = 5$

5. $\frac{-48}{x} = 8$

10. $\frac{-32}{y} = -8$

15. $\frac{-27}{v} = 3$

Simple Linear Equations (E) Answers

Solve for each variable.

$$1. \frac{-15}{u} = 3$$
$$u = -5$$

$$6. \frac{27}{u} = 3$$
$$u = 9$$

$$11. \frac{-9}{b} = -9$$
$$b = 1$$

$$2. \frac{-72}{b} = -8$$
$$b = 9$$

$$7. \frac{-81}{v} = -9$$
$$v = 9$$

$$12. \frac{-32}{b} = -4$$
$$b = 8$$

$$3. \frac{16}{a} = 2$$
$$a = 8$$

$$8. \frac{-42}{a} = -6$$
$$a = 7$$

$$13. \frac{12}{x} = 6$$
$$x = 2$$

$$4. \frac{7}{z} = 7$$
$$z = 1$$

$$9. \frac{-5}{x} = -5$$
$$x = 1$$

$$14. \frac{-20}{y} = 5$$
$$y = -4$$

$$5. \frac{-48}{x} = 8$$
$$x = -6$$

$$10. \frac{-32}{y} = -8$$
$$y = 4$$

$$15. \frac{-27}{v} = 3$$
$$v = -9$$

Simple Linear Equations (F)

Solve for each variable.

1. $\frac{12}{a} = 4$

6. $\frac{-20}{c} = -2$

11. $\frac{6}{z} = 2$

2. $\frac{72}{b} = 8$

7. $\frac{-18}{u} = -3$

12. $\frac{3}{v} = 3$

3. $\frac{-27}{v} = 3$

8. $\frac{-50}{y} = 5$

13. $\frac{-63}{c} = -9$

4. $\frac{18}{b} = -3$

9. $\frac{-40}{v} = -4$

14. $\frac{-8}{b} = -8$

5. $\frac{42}{c} = 7$

10. $\frac{6}{u} = 2$

15. $\frac{70}{v} = 7$

Simple Linear Equations (F) Answers

Solve for each variable.

$$1. \frac{12}{a} = 4$$
$$a = 3$$

$$6. \frac{-20}{c} = -2$$
$$c = 10$$

$$11. \frac{6}{z} = 2$$
$$z = 3$$

$$2. \frac{72}{b} = 8$$
$$b = 9$$

$$7. \frac{-18}{u} = -3$$
$$u = 6$$

$$12. \frac{3}{v} = 3$$
$$v = 1$$

$$3. \frac{-27}{v} = 3$$
$$v = -9$$

$$8. \frac{-50}{y} = 5$$
$$y = -10$$

$$13. \frac{-63}{c} = -9$$
$$c = 7$$

$$4. \frac{18}{b} = -3$$
$$b = -6$$

$$9. \frac{-40}{v} = -4$$
$$v = 10$$

$$14. \frac{-8}{b} = -8$$
$$b = 1$$

$$5. \frac{42}{c} = 7$$
$$c = 6$$

$$10. \frac{6}{u} = 2$$
$$u = 3$$

$$15. \frac{70}{v} = 7$$
$$v = 10$$

Simple Linear Equations (G)

Solve for each variable.

1. $\frac{20}{u} = 5$

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

11. $\frac{80}{a} = -8$

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

7. $\frac{-3}{u} = -3$

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

3. $\frac{-24}{b} = -4$

8. $\frac{36}{a} = 4$

13. $\frac{28}{b} = 4$

4. $\frac{-80}{c} = -8$

9. $\frac{-42}{a} = 7$

14. $\frac{-90}{z} = -9$

5. $\frac{70}{v} = -7$

10. $\frac{-81}{b} = 9$

15. $\frac{30}{v} = 5$

Simple Linear Equations (G) Answers

Solve for each variable.

$$1. \frac{20}{u} = 5$$
$$u = 4$$

$$6. \frac{-42}{a} = 6$$
$$a = -7$$

$$11. \frac{80}{a} = -8$$
$$a = -10$$

$$2. \frac{14}{c} = 2$$
$$c = 7$$

$$7. \frac{-3}{u} = -3$$
$$u = 1$$

$$12. \frac{-7}{a} = 7$$
$$a = -1$$

$$3. \frac{-24}{b} = -4$$
$$b = 6$$

$$8. \frac{36}{a} = 4$$
$$a = 9$$

$$13. \frac{28}{b} = 4$$
$$b = 7$$

$$4. \frac{-80}{c} = -8$$
$$c = 10$$

$$9. \frac{-42}{a} = 7$$
$$a = -6$$

$$14. \frac{-90}{z} = -9$$
$$z = 10$$

$$5. \frac{70}{v} = -7$$
$$v = -10$$

$$10. \frac{-81}{b} = 9$$
$$b = -9$$

$$15. \frac{30}{v} = 5$$
$$v = 6$$

Simple Linear Equations (H)

Solve for each variable.

1. $\frac{-63}{x} = 7$

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

11. $\frac{-40}{v} = 5$

2. $\frac{18}{a} = -6$

7. $\frac{21}{c} = 3$

12. $\frac{4}{c} = 2$

3. $\frac{-90}{c} = 9$

8. $\frac{45}{x} = 9$

13. $\frac{-16}{b} = 8$

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

9. $\frac{-12}{c} = -4$

14. $\frac{-72}{x} = 8$

5. $\frac{-36}{b} = 4$

10. $\frac{-27}{y} = 9$

15. $\frac{-4}{u} = 2$

Simple Linear Equations (H) Answers

Solve for each variable.

$$1. \frac{-63}{x} = 7$$
$$x = -9$$

$$6. \frac{-14}{c} = 2$$
$$c = -7$$

$$11. \frac{-40}{v} = 5$$
$$v = -8$$

$$2. \frac{18}{a} = -6$$
$$a = -3$$

$$7. \frac{21}{c} = 3$$
$$c = 7$$

$$12. \frac{4}{c} = 2$$
$$c = 2$$

$$3. \frac{-90}{c} = 9$$
$$c = -10$$

$$8. \frac{45}{x} = 9$$
$$x = 5$$

$$13. \frac{-16}{b} = 8$$
$$b = -2$$

$$4. \frac{-9}{v} = 9$$
$$v = -1$$

$$9. \frac{-12}{c} = -4$$
$$c = 3$$

$$14. \frac{-72}{x} = 8$$
$$x = -9$$

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

$$10. \frac{-27}{y} = 9$$
$$y = -3$$

$$15. \frac{-4}{u} = 2$$
$$u = -2$$

Simple Linear Equations (I)

Solve for each variable.

1. $\frac{-16}{a} = 4$

6. $\frac{-12}{b} = 4$

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

2. $\frac{-60}{y} = 6$

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

12. $\frac{20}{c} = 5$

3. $\frac{-81}{b} = 9$

8. $\frac{18}{v} = 2$

13. $\frac{-36}{x} = 4$

4. $\frac{-8}{v} = 8$

9. $\frac{-40}{u} = -8$

14. $\frac{-20}{c} = -5$

5. $\frac{24}{b} = -6$

10. $\frac{-63}{z} = 9$

15. $\frac{5}{c} = 5$

Simple Linear Equations (I) Answers

Solve for each variable.

$$1. \frac{-16}{a} = 4$$
$$a = -4$$

$$6. \frac{-12}{b} = 4$$
$$b = -3$$

$$11. \frac{-8}{x} = 4$$
$$x = -2$$

$$2. \frac{-60}{y} = 6$$
$$y = -10$$

$$7. \frac{-3}{a} = 3$$
$$a = -1$$

$$12. \frac{20}{c} = 5$$
$$c = 4$$

$$3. \frac{-81}{b} = 9$$
$$b = -9$$

$$8. \frac{18}{v} = 2$$
$$v = 9$$

$$13. \frac{-36}{x} = 4$$
$$x = -9$$

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

$$9. \frac{-40}{u} = -8$$
$$u = 5$$

$$14. \frac{-20}{c} = -5$$
$$c = 4$$

$$5. \frac{24}{b} = -6$$
$$b = -4$$

$$10. \frac{-63}{z} = 9$$
$$z = -7$$

$$15. \frac{5}{c} = 5$$
$$c = 1$$

Simple Linear Equations (J)

Solve for each variable.

1. $\frac{-6}{a} = -2$

6. $\frac{-35}{v} = -7$

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

2. $\frac{16}{z} = 8$

7. $\frac{-42}{c} = -7$

12. $\frac{14}{u} = 2$

3. $\frac{-48}{a} = 8$

8. $\frac{45}{u} = 9$

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

4. $\frac{48}{b} = 6$

9. $\frac{-40}{y} = -8$

14. $\frac{32}{u} = 8$

5. $\frac{20}{y} = 2$

10. $\frac{50}{c} = 5$

15. $\frac{-60}{y} = 6$

Simple Linear Equations (J) Answers

Solve for each variable.

$$1. \frac{-6}{a} = -2$$
$$a = 3$$

$$6. \frac{-35}{v} = -7$$
$$v = 5$$

$$11. \frac{-49}{y} = 7$$
$$y = -7$$

$$2. \frac{16}{z} = 8$$
$$z = 2$$

$$7. \frac{-42}{c} = -7$$
$$c = 6$$

$$12. \frac{14}{u} = 2$$
$$u = 7$$

$$3. \frac{-48}{a} = 8$$
$$a = -6$$

$$8. \frac{45}{u} = 9$$
$$u = 5$$

$$13. \frac{-64}{c} = -8$$
$$c = 8$$

$$4. \frac{48}{b} = 6$$
$$b = 8$$

$$9. \frac{-40}{y} = -8$$
$$y = 5$$

$$14. \frac{32}{u} = 8$$
$$u = 4$$

$$5. \frac{20}{y} = 2$$
$$y = 10$$

$$10. \frac{50}{c} = 5$$
$$c = 10$$

$$15. \frac{-60}{y} = 6$$
$$y = -10$$