

Simple Linear Equations (A)

Solve for each variable.

1. $\frac{28}{x} = 7$

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

11. $\frac{20}{a} = 5$

2. $\frac{35}{y} = 7$

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

12. $\frac{63}{b} = 7$

3. $\frac{30}{x} = 5$

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

13. $\frac{18}{a} = 3$

4. $\frac{56}{y} = 7$

9. $\frac{8}{u} = 2$

14. $\frac{36}{a} = 9$

5. $\frac{16}{a} = 8$

10. $\frac{10}{a} = 5$

15. $\frac{36}{c} = 6$

Simple Linear Equations (A) Answers

Solve for each variable.

$$1. \frac{28}{x} = 7$$
$$x = 4$$

$$6. \frac{7}{c} = 7$$
$$c = 1$$

$$11. \frac{20}{a} = 5$$
$$a = 4$$

$$2. \frac{35}{y} = 7$$
$$y = 5$$

$$7. \frac{18}{b} = 6$$
$$b = 3$$

$$12. \frac{63}{b} = 7$$
$$b = 9$$

$$3. \frac{30}{x} = 5$$
$$x = 6$$

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

$$13. \frac{18}{a} = 3$$
$$a = 6$$

$$4. \frac{56}{y} = 7$$
$$y = 8$$

$$9. \frac{8}{u} = 2$$
$$u = 4$$

$$14. \frac{36}{a} = 9$$
$$a = 4$$

$$5. \frac{16}{a} = 8$$
$$a = 2$$

$$10. \frac{10}{a} = 5$$
$$a = 2$$

$$15. \frac{36}{c} = 6$$
$$c = 6$$

Simple Linear Equations (B)

Solve for each variable.

1. $\frac{36}{a} = 6$

6. $\frac{72}{z} = 8$

11. $\frac{72}{z} = 9$

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

7. $\frac{27}{z} = 9$

12. $\frac{8}{u} = 8$

3. $\frac{72}{a} = 9$

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

13. $\frac{18}{y} = 2$

4. $\frac{63}{z} = 7$

9. $\frac{16}{y} = 8$

14. $\frac{80}{z} = 8$

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

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

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

Simple Linear Equations (B) Answers

Solve for each variable.

$$1. \frac{36}{a} = 6$$
$$a = 6$$

$$6. \frac{72}{z} = 8$$
$$z = 9$$

$$11. \frac{72}{z} = 9$$
$$z = 8$$

$$2. \frac{4}{c} = 4$$
$$c = 1$$

$$7. \frac{27}{z} = 9$$
$$z = 3$$

$$12. \frac{8}{u} = 8$$
$$u = 1$$

$$3. \frac{72}{a} = 9$$
$$a = 8$$

$$8. \frac{4}{z} = 4$$
$$z = 1$$

$$13. \frac{18}{y} = 2$$
$$y = 9$$

$$4. \frac{63}{z} = 7$$
$$z = 9$$

$$9. \frac{16}{y} = 8$$
$$y = 2$$

$$14. \frac{80}{z} = 8$$
$$z = 10$$

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

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

$$15. \frac{4}{u} = 4$$
$$u = 1$$

Simple Linear Equations (C)

Solve for each variable.

1. $\frac{30}{u} = 6$

6. $\frac{6}{b} = 2$

11. $\frac{32}{c} = 4$

2. $\frac{80}{y} = 8$

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

12. $\frac{15}{z} = 3$

3. $\frac{21}{a} = 3$

8. $\frac{54}{y} = 6$

13. $\frac{14}{u} = 7$

4. $\frac{14}{y} = 2$

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

14. $\frac{8}{b} = 4$

5. $\frac{30}{y} = 6$

10. $\frac{16}{v} = 4$

15. $\frac{49}{x} = 7$

Simple Linear Equations (C) Answers

Solve for each variable.

$$1. \frac{30}{u} = 6$$
$$u = 5$$

$$6. \frac{6}{b} = 2$$
$$b = 3$$

$$11. \frac{32}{c} = 4$$
$$c = 8$$

$$2. \frac{80}{y} = 8$$
$$y = 10$$

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

$$12. \frac{15}{z} = 3$$
$$z = 5$$

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

$$8. \frac{54}{y} = 6$$
$$y = 9$$

$$13. \frac{14}{u} = 7$$
$$u = 2$$

$$4. \frac{14}{y} = 2$$
$$y = 7$$

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

$$14. \frac{8}{b} = 4$$
$$b = 2$$

$$5. \frac{30}{y} = 6$$
$$y = 5$$

$$10. \frac{16}{v} = 4$$
$$v = 4$$

$$15. \frac{49}{x} = 7$$
$$x = 7$$

Simple Linear Equations (D)

Solve for each variable.

1. $\frac{90}{u} = 9$

6. $\frac{25}{y} = 5$

11. $\frac{4}{c} = 4$

2. $\frac{9}{u} = 9$

7. $\frac{30}{x} = 5$

12. $\frac{50}{v} = 5$

3. $\frac{40}{a} = 8$

8. $\frac{14}{a} = 7$

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

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

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

14. $\frac{72}{v} = 9$

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

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

15. $\frac{24}{c} = 6$

Simple Linear Equations (D) Answers

Solve for each variable.

$$1. \frac{90}{u} = 9$$
$$u = 10$$

$$6. \frac{25}{y} = 5$$
$$y = 5$$

$$11. \frac{4}{c} = 4$$
$$c = 1$$

$$2. \frac{9}{u} = 9$$
$$u = 1$$

$$7. \frac{30}{x} = 5$$
$$x = 6$$

$$12. \frac{50}{v} = 5$$
$$v = 10$$

$$3. \frac{40}{a} = 8$$
$$a = 5$$

$$8. \frac{14}{a} = 7$$
$$a = 2$$

$$13. \frac{48}{b} = 6$$
$$b = 8$$

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

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

$$14. \frac{72}{v} = 9$$
$$v = 8$$

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

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

$$15. \frac{24}{c} = 6$$
$$c = 4$$

Simple Linear Equations (E)

Solve for each variable.

1. $\frac{56}{x} = 8$

6. $\frac{24}{x} = 6$

11. $\frac{28}{z} = 7$

2. $\frac{6}{b} = 3$

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

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

3. $\frac{10}{v} = 2$

8. $\frac{36}{y} = 6$

13. $\frac{80}{x} = 8$

4. $\frac{36}{y} = 6$

9. $\frac{12}{v} = 4$

14. $\frac{40}{u} = 4$

5. $\frac{8}{a} = 2$

10. $\frac{8}{u} = 4$

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

Simple Linear Equations (E) Answers

Solve for each variable.

$$1. \frac{56}{x} = 8$$
$$x = 7$$

$$6. \frac{24}{x} = 6$$
$$x = 4$$

$$11. \frac{28}{z} = 7$$
$$z = 4$$

$$2. \frac{6}{b} = 3$$
$$b = 2$$

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

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

$$3. \frac{10}{v} = 2$$
$$v = 5$$

$$8. \frac{36}{y} = 6$$
$$y = 6$$

$$13. \frac{80}{x} = 8$$
$$x = 10$$

$$4. \frac{36}{y} = 6$$
$$y = 6$$

$$9. \frac{12}{v} = 4$$
$$v = 3$$

$$14. \frac{40}{u} = 4$$
$$u = 10$$

$$5. \frac{8}{a} = 2$$
$$a = 4$$

$$10. \frac{8}{u} = 4$$
$$u = 2$$

$$15. \frac{42}{b} = 7$$
$$b = 6$$

Simple Linear Equations (F)

Solve for each variable.

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

6. $\frac{16}{u} = 4$

11. $\frac{21}{u} = 3$

2. $\frac{54}{x} = 6$

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

12. $\frac{30}{y} = 5$

3. $\frac{42}{u} = 6$

8. $\frac{70}{y} = 7$

13. $\frac{35}{x} = 7$

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

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

14. $\frac{8}{b} = 4$

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

10. $\frac{6}{y} = 6$

15. $\frac{8}{x} = 2$

Simple Linear Equations (F) Answers

Solve for each variable.

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

$$6. \frac{16}{u} = 4$$
$$u = 4$$

$$11. \frac{21}{u} = 3$$
$$u = 7$$

$$2. \frac{54}{x} = 6$$
$$x = 9$$

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

$$12. \frac{30}{y} = 5$$
$$y = 6$$

$$3. \frac{42}{u} = 6$$
$$u = 7$$

$$8. \frac{70}{y} = 7$$
$$y = 10$$

$$13. \frac{35}{x} = 7$$
$$x = 5$$

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

$$9. \frac{21}{c} = 3$$
$$c = 7$$

$$14. \frac{8}{b} = 4$$
$$b = 2$$

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

$$10. \frac{6}{y} = 6$$
$$y = 1$$

$$15. \frac{8}{x} = 2$$
$$x = 4$$

Simple Linear Equations (G)

Solve for each variable.

1. $\frac{27}{x} = 3$

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

11. $\frac{32}{b} = 8$

2. $\frac{54}{a} = 9$

7. $\frac{12}{y} = 4$

12. $\frac{35}{x} = 5$

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

8. $\frac{28}{z} = 4$

13. $\frac{14}{a} = 7$

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

9. $\frac{36}{y} = 6$

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

5. $\frac{64}{y} = 8$

10. $\frac{18}{z} = 2$

15. $\frac{8}{z} = 8$

Simple Linear Equations (G) Answers

Solve for each variable.

$$1. \frac{27}{x} = 3$$
$$x = 9$$

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

$$11. \frac{32}{b} = 8$$
$$b = 4$$

$$2. \frac{54}{a} = 9$$
$$a = 6$$

$$7. \frac{12}{y} = 4$$
$$y = 3$$

$$12. \frac{35}{x} = 5$$
$$x = 7$$

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

$$8. \frac{28}{z} = 4$$
$$z = 7$$

$$13. \frac{14}{a} = 7$$
$$a = 2$$

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

$$9. \frac{36}{y} = 6$$
$$y = 6$$

$$14. \frac{72}{b} = 8$$
$$b = 9$$

$$5. \frac{64}{y} = 8$$
$$y = 8$$

$$10. \frac{18}{z} = 2$$
$$z = 9$$

$$15. \frac{8}{z} = 8$$
$$z = 1$$

Simple Linear Equations (H)

Solve for each variable.

1. $\frac{54}{u} = 6$

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

11. $\frac{16}{x} = 4$

2. $\frac{56}{c} = 7$

7. $\frac{72}{a} = 9$

12. $\frac{35}{a} = 7$

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

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

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

4. $\frac{24}{c} = 4$

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

14. $\frac{12}{b} = 6$

5. $\frac{12}{u} = 3$

10. $\frac{12}{x} = 4$

15. $\frac{18}{c} = 9$

Simple Linear Equations (H) Answers

Solve for each variable.

$$1. \frac{54}{u} = 6$$
$$u = 9$$

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

$$11. \frac{16}{x} = 4$$
$$x = 4$$

$$2. \frac{56}{c} = 7$$
$$c = 8$$

$$7. \frac{72}{a} = 9$$
$$a = 8$$

$$12. \frac{35}{a} = 7$$
$$a = 5$$

$$3. \frac{7}{z} = 7$$
$$z = 1$$

$$8. \frac{9}{v} = 9$$
$$v = 1$$

$$13. \frac{15}{v} = 5$$
$$v = 3$$

$$4. \frac{24}{c} = 4$$
$$c = 6$$

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

$$14. \frac{12}{b} = 6$$
$$b = 2$$

$$5. \frac{12}{u} = 3$$
$$u = 4$$

$$10. \frac{12}{x} = 4$$
$$x = 3$$

$$15. \frac{18}{c} = 9$$
$$c = 2$$

Simple Linear Equations (I)

Solve for each variable.

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

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

11. $\frac{48}{a} = 8$

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

7. $\frac{60}{c} = 6$

12. $\frac{21}{u} = 3$

3. $\frac{8}{z} = 8$

8. $\frac{45}{y} = 5$

13. $\frac{40}{b} = 5$

4. $\frac{70}{a} = 7$

9. $\frac{63}{v} = 9$

14. $\frac{20}{u} = 4$

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

10. $\frac{16}{a} = 4$

15. $\frac{24}{y} = 3$

Simple Linear Equations (I) Answers

Solve for each variable.

$$1. \frac{20}{y} = 2$$
$$y = 10$$

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

$$11. \frac{48}{a} = 8$$
$$a = 6$$

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

$$7. \frac{60}{c} = 6$$
$$c = 10$$

$$12. \frac{21}{u} = 3$$
$$u = 7$$

$$3. \frac{8}{z} = 8$$
$$z = 1$$

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

$$13. \frac{40}{b} = 5$$
$$b = 8$$

$$4. \frac{70}{a} = 7$$
$$a = 10$$

$$9. \frac{63}{v} = 9$$
$$v = 7$$

$$14. \frac{20}{u} = 4$$
$$u = 5$$

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

$$10. \frac{16}{a} = 4$$
$$a = 4$$

$$15. \frac{24}{y} = 3$$
$$y = 8$$

Simple Linear Equations (J)

Solve for each variable.

1. $\frac{30}{c} = 6$

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

11. $\frac{35}{c} = 5$

2. $\frac{40}{a} = 5$

7. $\frac{24}{c} = 8$

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

3. $\frac{40}{z} = 8$

8. $\frac{14}{x} = 2$

13. $\frac{32}{x} = 4$

4. $\frac{36}{z} = 4$

9. $\frac{6}{v} = 6$

14. $\frac{50}{u} = 5$

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

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

15. $\frac{9}{v} = 9$

Simple Linear Equations (J) Answers

Solve for each variable.

$$1. \frac{30}{c} = 6$$
$$c = 5$$

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

$$11. \frac{35}{c} = 5$$
$$c = 7$$

$$2. \frac{40}{a} = 5$$
$$a = 8$$

$$7. \frac{24}{c} = 8$$
$$c = 3$$

$$12. \frac{18}{z} = 2$$
$$z = 9$$

$$3. \frac{40}{z} = 8$$
$$z = 5$$

$$8. \frac{14}{x} = 2$$
$$x = 7$$

$$13. \frac{32}{x} = 4$$
$$x = 8$$

$$4. \frac{36}{z} = 4$$
$$z = 9$$

$$9. \frac{6}{v} = 6$$
$$v = 1$$

$$14. \frac{50}{u} = 5$$
$$u = 10$$

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

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

$$15. \frac{9}{v} = 9$$
$$v = 1$$