

Simple Linear Equations (A)

Solve for each variable.

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

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

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

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

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

12. $\frac{x}{2} = 7$

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

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

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

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

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

14. $\frac{b}{5} = 4$

5. $\frac{c}{7} = 9$

10. $\frac{x}{6} = 8$

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

Simple Linear Equations (A) Answers

Solve for each variable.

$$1. \frac{u}{8} = 2$$
$$u = 16$$

$$6. \frac{u}{2} = 9$$
$$u = 18$$

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

$$2. \frac{b}{3} = 3$$
$$b = 9$$

$$7. \frac{u}{8} = 8$$
$$u = 64$$

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

$$3. \frac{u}{8} = 3$$
$$u = 24$$

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

$$13. \frac{v}{3} = 3$$
$$v = 9$$

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

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

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

$$5. \frac{c}{7} = 9$$
$$c = 63$$

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

$$15. \frac{v}{9} = 5$$
$$v = 45$$

Simple Linear Equations (B)

Solve for each variable.

1. $\frac{b}{5} = 4$

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

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

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

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

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

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

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

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

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

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

14. $\frac{u}{9} = 7$

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

10. $\frac{z}{7} = 5$

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

Simple Linear Equations (B) Answers

Solve for each variable.

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

$$6. \frac{b}{6} = 9$$
$$b = 54$$

$$11. \frac{z}{6} = 3$$
$$z = 18$$

$$2. \frac{c}{5} = 4$$
$$c = 20$$

$$7. \frac{z}{8} = 5$$
$$z = 40$$

$$12. \frac{x}{6} = 6$$
$$x = 36$$

$$3. \frac{z}{8} = 4$$
$$z = 32$$

$$8. \frac{x}{6} = 2$$
$$x = 12$$

$$13. \frac{y}{2} = 2$$
$$y = 4$$

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

$$9. \frac{z}{2} = 5$$
$$z = 10$$

$$14. \frac{u}{9} = 7$$
$$u = 63$$

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

$$10. \frac{z}{7} = 5$$
$$z = 35$$

$$15. \frac{a}{7} = 8$$
$$a = 56$$

Simple Linear Equations (C)

Solve for each variable.

1. $\frac{v}{5} = 8$

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

11. $\frac{b}{9} = 6$

2. $\frac{a}{5} = 9$

7. $\frac{x}{5} = 2$

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

3. $\frac{b}{9} = 7$

8. $\frac{c}{9} = 7$

13. $\frac{v}{7} = 4$

4. $\frac{u}{2} = 5$

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

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

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

10. $\frac{z}{6} = 7$

15. $\frac{u}{7} = 8$

Simple Linear Equations (C) Answers

Solve for each variable.

1. $\frac{v}{5} = 8$
 $v = 40$

6. $\frac{u}{2} = 8$
 $u = 16$

11. $\frac{b}{9} = 6$
 $b = 54$

2. $\frac{a}{5} = 9$
 $a = 45$

7. $\frac{x}{5} = 2$
 $x = 10$

12. $\frac{y}{4} = 8$
 $y = 32$

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

8. $\frac{c}{9} = 7$
 $c = 63$

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

4. $\frac{u}{2} = 5$
 $u = 10$

9. $\frac{c}{4} = 4$
 $c = 16$

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

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

10. $\frac{z}{6} = 7$
 $z = 42$

15. $\frac{u}{7} = 8$
 $u = 56$

Simple Linear Equations (D)

Solve for each variable.

1. $\frac{a}{5} = 3$

6. $\frac{x}{7} = 2$

11. $\frac{u}{7} = 2$

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

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

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

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

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

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

4. $\frac{a}{3} = 5$

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

14. $\frac{u}{3} = 8$

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

10. $\frac{y}{4} = 4$

15. $\frac{a}{5} = 7$

Simple Linear Equations (D) Answers

Solve for each variable.

$$1. \frac{a}{5} = 3$$
$$a = 15$$

$$6. \frac{x}{7} = 2$$
$$x = 14$$

$$11. \frac{u}{7} = 2$$
$$u = 14$$

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

$$7. \frac{a}{6} = 4$$
$$a = 24$$

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

$$3. \frac{u}{2} = 2$$
$$u = 4$$

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

$$13. \frac{u}{9} = 8$$
$$u = 72$$

$$4. \frac{a}{3} = 5$$
$$a = 15$$

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

$$14. \frac{u}{3} = 8$$
$$u = 24$$

$$5. \frac{u}{2} = 9$$
$$u = 18$$

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

$$15. \frac{a}{5} = 7$$
$$a = 35$$

Simple Linear Equations (E)

Solve for each variable.

1. $\frac{a}{5} = 7$

6. $\frac{c}{8} = 9$

11. $\frac{u}{5} = 2$

2. $\frac{z}{7} = 6$

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

12. $\frac{b}{5} = 5$

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

8. $\frac{y}{3} = 2$

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

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

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

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

5. $\frac{z}{9} = 6$

10. $\frac{a}{9} = 8$

15. $\frac{b}{6} = 8$

Simple Linear Equations (E) Answers

Solve for each variable.

$$1. \frac{a}{5} = 7$$
$$a = 35$$

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

$$11. \frac{u}{5} = 2$$
$$u = 10$$

$$2. \frac{z}{7} = 6$$
$$z = 42$$

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

$$12. \frac{b}{5} = 5$$
$$b = 25$$

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

$$8. \frac{y}{3} = 2$$
$$y = 6$$

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

$$4. \frac{a}{7} = 3$$
$$a = 21$$

$$9. \frac{x}{8} = 8$$
$$x = 64$$

$$14. \frac{x}{9} = 9$$
$$x = 81$$

$$5. \frac{z}{9} = 6$$
$$z = 54$$

$$10. \frac{a}{9} = 8$$
$$a = 72$$

$$15. \frac{b}{6} = 8$$
$$b = 48$$

Simple Linear Equations (F)

Solve for each variable.

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

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

11. $\frac{v}{6} = 5$

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

7. $\frac{v}{2} = 4$

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

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

8. $\frac{b}{7} = 4$

13. $\frac{y}{6} = 2$

4. $\frac{u}{3} = 8$

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

14. $\frac{c}{3} = 3$

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

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

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

Simple Linear Equations (F) Answers

Solve for each variable.

$$1. \frac{v}{7} = 9$$
$$v = 63$$

$$6. \frac{c}{2} = 6$$
$$c = 12$$

$$11. \frac{v}{6} = 5$$
$$v = 30$$

$$2. \frac{c}{4} = 7$$
$$c = 28$$

$$7. \frac{v}{2} = 4$$
$$v = 8$$

$$12. \frac{y}{6} = 4$$
$$y = 24$$

$$3. \frac{c}{7} = 7$$
$$c = 49$$

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

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

$$4. \frac{u}{3} = 8$$
$$u = 24$$

$$9. \frac{z}{7} = 7$$
$$z = 49$$

$$14. \frac{c}{3} = 3$$
$$c = 9$$

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

$$10. \frac{z}{7} = 4$$
$$z = 28$$

$$15. \frac{u}{3} = 2$$
$$u = 6$$

Simple Linear Equations (G)

Solve for each variable.

1. $\frac{a}{5} = 3$

6. $\frac{u}{4} = 3$

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

2. $\frac{v}{7} = 5$

7. $\frac{z}{3} = 5$

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

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

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

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

4. $\frac{a}{2} = 7$

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

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

5. $\frac{b}{9} = 3$

10. $\frac{b}{5} = 9$

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

Simple Linear Equations (G) Answers

Solve for each variable.

1. $\frac{a}{5} = 3$
 $a = 15$

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

11. $\frac{u}{6} = 2$
 $u = 12$

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

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

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

3. $\frac{v}{8} = 4$
 $v = 32$

8. $\frac{b}{5} = 5$
 $b = 25$

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

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

9. $\frac{u}{9} = 8$
 $u = 72$

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

5. $\frac{b}{9} = 3$
 $b = 27$

10. $\frac{b}{5} = 9$
 $b = 45$

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

Simple Linear Equations (H)

Solve for each variable.

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

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

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

2. $\frac{v}{3} = 7$

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

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

3. $\frac{a}{9} = 5$

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

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

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

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

14. $\frac{u}{9} = 6$

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

10. $\frac{a}{6} = 5$

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

Simple Linear Equations (H) Answers

Solve for each variable.

$$1. \frac{b}{2} = 3$$
$$b = 6$$

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

$$11. \frac{c}{7} = 7$$
$$c = 49$$

$$2. \frac{v}{3} = 7$$
$$v = 21$$

$$7. \frac{u}{3} = 5$$
$$u = 15$$

$$12. \frac{x}{7} = 4$$
$$x = 28$$

$$3. \frac{a}{9} = 5$$
$$a = 45$$

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

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

$$4. \frac{x}{2} = 8$$
$$x = 16$$

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

$$14. \frac{u}{9} = 6$$
$$u = 54$$

$$5. \frac{u}{7} = 3$$
$$u = 21$$

$$10. \frac{a}{6} = 5$$
$$a = 30$$

$$15. \frac{c}{5} = 9$$
$$c = 45$$

Simple Linear Equations (I)

Solve for each variable.

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

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

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

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

7. $\frac{v}{7} = 2$

12. $\frac{b}{8} = 9$

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

8. $\frac{b}{5} = 7$

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

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

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

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

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

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

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

Simple Linear Equations (I) Answers

Solve for each variable.

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

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

$$11. \frac{z}{9} = 7$$
$$z = 63$$

$$2. \frac{a}{7} = 7$$
$$a = 49$$

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

$$12. \frac{b}{8} = 9$$
$$b = 72$$

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

$$8. \frac{b}{5} = 7$$
$$b = 35$$

$$13. \frac{x}{6} = 4$$
$$x = 24$$

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

$$9. \frac{z}{2} = 3$$
$$z = 6$$

$$14. \frac{u}{5} = 5$$
$$u = 25$$

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

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

$$15. \frac{x}{5} = 9$$
$$x = 45$$

Simple Linear Equations (J)

Solve for each variable.

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

6. $\frac{u}{8} = 5$

11. $\frac{y}{7} = 5$

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

7. $\frac{c}{5} = 3$

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

3. $\frac{x}{6} = 7$

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

13. $\frac{z}{5} = 6$

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

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

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

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

10. $\frac{b}{9} = 5$

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

Simple Linear Equations (J) Answers

Solve for each variable.

$$1. \frac{c}{2} = 5$$
$$c = 10$$

$$6. \frac{u}{8} = 5$$
$$u = 40$$

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

$$2. \frac{y}{3} = 4$$
$$y = 12$$

$$7. \frac{c}{5} = 3$$
$$c = 15$$

$$12. \frac{u}{8} = 4$$
$$u = 32$$

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

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

$$13. \frac{z}{5} = 6$$
$$z = 30$$

$$4. \frac{z}{2} = 8$$
$$z = 16$$

$$9. \frac{v}{2} = 3$$
$$v = 6$$

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

$$5. \frac{a}{4} = 6$$
$$a = 24$$

$$10. \frac{b}{9} = 5$$
$$b = 45$$

$$15. \frac{y}{3} = 6$$
$$y = 18$$