

Simple Linear Equations (A)

Solve for each variable.

1. $2b - 8 = 2$

6. $2z - 5 = 5$

11. $2y - 9 = 1$

2. $2z - 6 = 6$

7. $3a - 10 = 2$

12. $3v - 8 = 19$

3. $3z - 2 = 28$

8. $3y - 2 = 4$

13. $3y - 6 = 0$

4. $3y - 6 = 15$

9. $2c - 8 = 10$

14. $3y - 5 = 22$

5. $2b - 3 = 13$

10. $3c - 7 = 2$

15. $3b - 5 = 22$

Simple Linear Equations (A) Answers

Solve for each variable.

1. $2b - 8 = 2$
 $b = 5$

6. $2z - 5 = 5$
 $z = 5$

11. $2y - 9 = 1$
 $y = 5$

2. $2z - 6 = 6$
 $z = 6$

7. $3a - 10 = 2$
 $a = 4$

12. $3v - 8 = 19$
 $v = 9$

3. $3z - 2 = 28$
 $z = 10$

8. $3y - 2 = 4$
 $y = 2$

13. $3y - 6 = 0$
 $y = 2$

4. $3y - 6 = 15$
 $y = 7$

9. $2c - 8 = 10$
 $c = 9$

14. $3y - 5 = 22$
 $y = 9$

5. $2b - 3 = 13$
 $b = 8$

10. $3c - 7 = 2$
 $c = 3$

15. $3b - 5 = 22$
 $b = 9$

Simple Linear Equations (B)

Solve for each variable.

1. $2x - 1 = 15$

6. $3a - 10 = 8$

11. $3b - 10 = 5$

2. $3b - 1 = 26$

7. $3v - 10 = 11$

12. $2a - 5 = 9$

3. $2u - 10 = 6$

8. $2y - 1 = 17$

13. $3b - 8 = 4$

4. $3y - 6 = 24$

9. $3y - 7 = 5$

14. $2x - 4 = 16$

5. $3c - 9 = 0$

10. $2x - 1 = 13$

15. $2b - 6 = 4$

Simple Linear Equations (B) Answers

Solve for each variable.

1. $2x - 1 = 15$
 $x = 8$

6. $3a - 10 = 8$
 $a = 6$

11. $3b - 10 = 5$
 $b = 5$

2. $3b - 1 = 26$
 $b = 9$

7. $3v - 10 = 11$
 $v = 7$

12. $2a - 5 = 9$
 $a = 7$

3. $2u - 10 = 6$
 $u = 8$

8. $2y - 1 = 17$
 $y = 9$

13. $3b - 8 = 4$
 $b = 4$

4. $3y - 6 = 24$
 $y = 10$

9. $3y - 7 = 5$
 $y = 4$

14. $2x - 4 = 16$
 $x = 10$

5. $3c - 9 = 0$
 $c = 3$

10. $2x - 1 = 13$
 $x = 7$

15. $2b - 6 = 4$
 $b = 5$

Simple Linear Equations (C)

Solve for each variable.

1. $2v - 2 = 8$

6. $2z - 5 = 5$

11. $2x - 4 = 0$

2. $3b - 2 = 22$

7. $3a - 10 = 14$

12. $3z - 1 = 2$

3. $2a - 4 = 8$

8. $2z - 4 = 4$

13. $3u - 8 = 1$

4. $3a - 6 = 6$

9. $3v - 8 = 22$

14. $3v - 8 = 1$

5. $3c - 4 = 20$

10. $2y - 2 = 14$

15. $2x - 5 = 9$

Simple Linear Equations (C) Answers

Solve for each variable.

1. $2v - 2 = 8$
 $v = 5$

6. $2z - 5 = 5$
 $z = 5$

11. $2x - 4 = 0$
 $x = 2$

2. $3b - 2 = 22$
 $b = 8$

7. $3a - 10 = 14$
 $a = 8$

12. $3z - 1 = 2$
 $z = 1$

3. $2a - 4 = 8$
 $a = 6$

8. $2z - 4 = 4$
 $z = 4$

13. $3u - 8 = 1$
 $u = 3$

4. $3a - 6 = 6$
 $a = 4$

9. $3v - 8 = 22$
 $v = 10$

14. $3v - 8 = 1$
 $v = 3$

5. $3c - 4 = 20$
 $c = 8$

10. $2y - 2 = 14$
 $y = 8$

15. $2x - 5 = 9$
 $x = 7$

Simple Linear Equations (D)

Solve for each variable.

1. $2c - 3 = 1$

6. $2c - 10 = 2$

11. $2a - 4 = 8$

2. $2b - 8 = 10$

7. $3x - 8 = 7$

12. $2y - 9 = 5$

3. $2a - 7 = 5$

8. $3c - 9 = 0$

13. $2u - 5 = 13$

4. $3b - 3 = 0$

9. $2c - 10 = 2$

14. $2y - 4 = 12$

5. $3c - 6 = 3$

10. $2x - 1 = 17$

15. $3b - 3 = 27$

Simple Linear Equations (D) Answers

Solve for each variable.

1. $2c - 3 = 1$
 $c = 2$

6. $2c - 10 = 2$
 $c = 6$

11. $2a - 4 = 8$
 $a = 6$

2. $2b - 8 = 10$
 $b = 9$

7. $3x - 8 = 7$
 $x = 5$

12. $2y - 9 = 5$
 $y = 7$

3. $2a - 7 = 5$
 $a = 6$

8. $3c - 9 = 0$
 $c = 3$

13. $2u - 5 = 13$
 $u = 9$

4. $3b - 3 = 0$
 $b = 1$

9. $2c - 10 = 2$
 $c = 6$

14. $2y - 4 = 12$
 $y = 8$

5. $3c - 6 = 3$
 $c = 3$

10. $2x - 1 = 17$
 $x = 9$

15. $3b - 3 = 27$
 $b = 10$

Simple Linear Equations (E)

Solve for each variable.

1. $3x - 3 = 27$

6. $2x - 7 = 5$

11. $2b - 10 = 6$

2. $2c - 2 = 10$

7. $3z - 4 = 20$

12. $3c - 2 = 19$

3. $3c - 5 = 10$

8. $2c - 3 = 9$

13. $2c - 5 = 3$

4. $3v - 2 = 28$

9. $2v - 2 = 0$

14. $2b - 2 = 8$

5. $2a - 4 = 10$

10. $3z - 1 = 20$

15. $3v - 1 = 11$

Simple Linear Equations (E) Answers

Solve for each variable.

1. $3x - 3 = 27$
 $x = 10$

6. $2x - 7 = 5$
 $x = 6$

11. $2b - 10 = 6$
 $b = 8$

2. $2c - 2 = 10$
 $c = 6$

7. $3z - 4 = 20$
 $z = 8$

12. $3c - 2 = 19$
 $c = 7$

3. $3c - 5 = 10$
 $c = 5$

8. $2c - 3 = 9$
 $c = 6$

13. $2c - 5 = 3$
 $c = 4$

4. $3v - 2 = 28$
 $v = 10$

9. $2v - 2 = 0$
 $v = 1$

14. $2b - 2 = 8$
 $b = 5$

5. $2a - 4 = 10$
 $a = 7$

10. $3z - 1 = 20$
 $z = 7$

15. $3v - 1 = 11$
 $v = 4$

Simple Linear Equations (F)

Solve for each variable.

1. $2y - 1 = 13$

6. $2v - 7 = 9$

11. $2z - 2 = 0$

2. $2a - 4 = 10$

7. $3c - 7 = 11$

12. $2y - 9 = 3$

3. $2c - 4 = 0$

8. $2u - 10 = 10$

13. $2c - 5 = 11$

4. $2x - 2 = 16$

9. $3x - 7 = 20$

14. $3b - 6 = 0$

5. $2u - 4 = 2$

10. $2z - 1 = 5$

15. $3u - 10 = 14$

Simple Linear Equations (F) Answers

Solve for each variable.

1. $2y - 1 = 13$
 $y = 7$

6. $2v - 7 = 9$
 $v = 8$

11. $2z - 2 = 0$
 $z = 1$

2. $2a - 4 = 10$
 $a = 7$

7. $3c - 7 = 11$
 $c = 6$

12. $2y - 9 = 3$
 $y = 6$

3. $2c - 4 = 0$
 $c = 2$

8. $2u - 10 = 10$
 $u = 10$

13. $2c - 5 = 11$
 $c = 8$

4. $2x - 2 = 16$
 $x = 9$

9. $3x - 7 = 20$
 $x = 9$

14. $3b - 6 = 0$
 $b = 2$

5. $2u - 4 = 2$
 $u = 3$

10. $2z - 1 = 5$
 $z = 3$

15. $3u - 10 = 14$
 $u = 8$

Simple Linear Equations (G)

Solve for each variable.

1. $2x - 2 = 4$

6. $3a - 7 = 11$

11. $2c - 4 = 2$

2. $2u - 10 = 6$

7. $2z - 7 = 1$

12. $2y - 5 = 5$

3. $3x - 2 = 16$

8. $3y - 4 = 2$

13. $3u - 2 = 4$

4. $3v - 4 = 11$

9. $3c - 10 = 17$

14. $3z - 6 = 6$

5. $3u - 8 = 16$

10. $2z - 10 = 2$

15. $3a - 7 = 5$

Simple Linear Equations (G) Answers

Solve for each variable.

1. $2x - 2 = 4$
 $x = 3$

6. $3a - 7 = 11$
 $a = 6$

11. $2c - 4 = 2$
 $c = 3$

2. $2u - 10 = 6$
 $u = 8$

7. $2z - 7 = 1$
 $z = 4$

12. $2y - 5 = 5$
 $y = 5$

3. $3x - 2 = 16$
 $x = 6$

8. $3y - 4 = 2$
 $y = 2$

13. $3u - 2 = 4$
 $u = 2$

4. $3v - 4 = 11$
 $v = 5$

9. $3c - 10 = 17$
 $c = 9$

14. $3z - 6 = 6$
 $z = 4$

5. $3u - 8 = 16$
 $u = 8$

10. $2z - 10 = 2$
 $z = 6$

15. $3a - 7 = 5$
 $a = 4$

Simple Linear Equations (H)

Solve for each variable.

1. $3x - 9 = 21$

6. $3v - 7 = 11$

11. $2u - 1 = 7$

2. $2u - 10 = 4$

7. $3b - 3 = 0$

12. $2x - 2 = 14$

3. $2v - 1 = 9$

8. $2c - 7 = 1$

13. $2u - 2 = 10$

4. $3x - 10 = 20$

9. $2a - 10 = 8$

14. $3v - 5 = 4$

5. $2x - 4 = 6$

10. $3y - 6 = 9$

15. $2a - 8 = 10$

Simple Linear Equations (H) Answers

Solve for each variable.

1. $3x - 9 = 21$
 $x = 10$

6. $3v - 7 = 11$
 $v = 6$

11. $2u - 1 = 7$
 $u = 4$

2. $2u - 10 = 4$
 $u = 7$

7. $3b - 3 = 0$
 $b = 1$

12. $2x - 2 = 14$
 $x = 8$

3. $2v - 1 = 9$
 $v = 5$

8. $2c - 7 = 1$
 $c = 4$

13. $2u - 2 = 10$
 $u = 6$

4. $3x - 10 = 20$
 $x = 10$

9. $2a - 10 = 8$
 $a = 9$

14. $3v - 5 = 4$
 $v = 3$

5. $2x - 4 = 6$
 $x = 5$

10. $3y - 6 = 9$
 $y = 5$

15. $2a - 8 = 10$
 $a = 9$

Simple Linear Equations (I)

Solve for each variable.

1. $3c - 7 = 2$

6. $3y - 6 = 24$

11. $3u - 4 = 2$

2. $3y - 8 = 19$

7. $2y - 9 = 9$

12. $2y - 2 = 2$

3. $2v - 7 = 3$

8. $2c - 1 = 15$

13. $2z - 3 = 13$

4. $3b - 8 = 1$

9. $2y - 10 = 0$

14. $2a - 2 = 18$

5. $2u - 7 = 13$

10. $3c - 1 = 20$

15. $3u - 5 = 7$

Simple Linear Equations (I) Answers

Solve for each variable.

1. $3c - 7 = 2$
 $c = 3$

6. $3y - 6 = 24$
 $y = 10$

11. $3u - 4 = 2$
 $u = 2$

2. $3y - 8 = 19$
 $y = 9$

7. $2y - 9 = 9$
 $y = 9$

12. $2y - 2 = 2$
 $y = 2$

3. $2v - 7 = 3$
 $v = 5$

8. $2c - 1 = 15$
 $c = 8$

13. $2z - 3 = 13$
 $z = 8$

4. $3b - 8 = 1$
 $b = 3$

9. $2y - 10 = 0$
 $y = 5$

14. $2a - 2 = 18$
 $a = 10$

5. $2u - 7 = 13$
 $u = 10$

10. $3c - 1 = 20$
 $c = 7$

15. $3u - 5 = 7$
 $u = 4$

Simple Linear Equations (J)

Solve for each variable.

1. $3v - 3 = 27$

6. $2y - 1 = 11$

11. $3u - 8 = 19$

2. $3y - 6 = 12$

7. $2z - 5 = 9$

12. $2v - 9 = 5$

3. $3x - 7 = 17$

8. $3x - 8 = 13$

13. $3u - 9 = 18$

4. $3x - 4 = 23$

9. $2a - 7 = 5$

14. $3y - 6 = 12$

5. $2y - 1 = 19$

10. $3b - 2 = 7$

15. $2c - 7 = 3$

Simple Linear Equations (J) Answers

Solve for each variable.

1. $3v - 3 = 27$
 $v = 10$

6. $2y - 1 = 11$
 $y = 6$

11. $3u - 8 = 19$
 $u = 9$

2. $3y - 6 = 12$
 $y = 6$

7. $2z - 5 = 9$
 $z = 7$

12. $2v - 9 = 5$
 $v = 7$

3. $3x - 7 = 17$
 $x = 8$

8. $3x - 8 = 13$
 $x = 7$

13. $3u - 9 = 18$
 $u = 9$

4. $3x - 4 = 23$
 $x = 9$

9. $2a - 7 = 5$
 $a = 6$

14. $3y - 6 = 12$
 $y = 6$

5. $2y - 1 = 19$
 $y = 10$

10. $3b - 2 = 7$
 $b = 3$

15. $2c - 7 = 3$
 $c = 5$