

Simple Linear Equations (A)

Solve for each variable.

1. $3c + 6 = 18$

6. $2a + 8 = 16$

11. $3a + 1 = 4$

2. $3v + 9 = 15$

7. $3a + 2 = 17$

12. $3u - 8 = 4$

3. $3z + 3 = 27$

8. $2y - 10 = 8$

13. $3y + 3 = 12$

4. $3c + 2 = 2$

9. $3x - 1 = 14$

14. $2c - 2 = 6$

5. $3a - 5 = 7$

10. $2z + 3 = 23$

15. $3c - 4 = 14$

Simple Linear Equations (A) Answers

Solve for each variable.

1. $3c + 6 = 18$
 $c = 4$

6. $2a + 8 = 16$
 $a = 4$

11. $3a + 1 = 4$
 $a = 1$

2. $3v + 9 = 15$
 $v = 2$

7. $3a + 2 = 17$
 $a = 5$

12. $3u - 8 = 4$
 $u = 4$

3. $3z + 3 = 27$
 $z = 8$

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

13. $3y + 3 = 12$
 $y = 3$

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

9. $3x - 1 = 14$
 $x = 5$

14. $2c - 2 = 6$
 $c = 4$

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

10. $2z + 3 = 23$
 $z = 10$

15. $3c - 4 = 14$
 $c = 6$

Simple Linear Equations (B)

Solve for each variable.

1. $3x + 6 = 9$

6. $2x - 5 = 1$

11. $2c + 6 = 8$

2. $3a + 3 = 12$

7. $2c + 4 = 12$

12. $2u - 1 = 11$

3. $3u + 5 = 20$

8. $3u - 5 = 4$

13. $3u + 1 = 10$

4. $3z + 5 = 20$

9. $2u + 6 = 8$

14. $3x + 3 = 6$

5. $2y - 3 = 1$

10. $3b + 4 = 22$

15. $2u + 2 = 6$

Simple Linear Equations (B) Answers

Solve for each variable.

1. $3x + 6 = 9$
 $x = 1$

6. $2x - 5 = 1$
 $x = 3$

11. $2c + 6 = 8$
 $c = 1$

2. $3a + 3 = 12$
 $a = 3$

7. $2c + 4 = 12$
 $c = 4$

12. $2u - 1 = 11$
 $u = 6$

3. $3u + 5 = 20$
 $u = 5$

8. $3u - 5 = 4$
 $u = 3$

13. $3u + 1 = 10$
 $u = 3$

4. $3z + 5 = 20$
 $z = 5$

9. $2u + 6 = 8$
 $u = 1$

14. $3x + 3 = 6$
 $x = 1$

5. $2y - 3 = 1$
 $y = 2$

10. $3b + 4 = 22$
 $b = 6$

15. $2u + 2 = 6$
 $u = 2$

Simple Linear Equations (C)

Solve for each variable.

1. $3v - 4 = 5$

6. $2x + 1 = 21$

11. $3z - 7 = 5$

2. $2c - 1 = 3$

7. $2u + 6 = 16$

12. $2a - 10 = 2$

3. $3z + 8 = 23$

8. $2u - 3 = 5$

13. $3x + 9 = 21$

4. $3x + 10 = 31$

9. $2z + 8 = 18$

14. $3u + 6 = 9$

5. $3x - 3 = 24$

10. $3v - 6 = 3$

15. $3z - 2 = 16$

Simple Linear Equations (C) Answers

Solve for each variable.

1. $3v - 4 = 5$
 $v = 3$

6. $2x + 1 = 21$
 $x = 10$

11. $3z - 7 = 5$
 $z = 4$

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

7. $2u + 6 = 16$
 $u = 5$

12. $2a - 10 = 2$
 $a = 6$

3. $3z + 8 = 23$
 $z = 5$

8. $2u - 3 = 5$
 $u = 4$

13. $3x + 9 = 21$
 $x = 4$

4. $3x + 10 = 31$
 $x = 7$

9. $2z + 8 = 18$
 $z = 5$

14. $3u + 6 = 9$
 $u = 1$

5. $3x - 3 = 24$
 $x = 9$

10. $3v - 6 = 3$
 $v = 3$

15. $3z - 2 = 16$
 $z = 6$

Simple Linear Equations (D)

Solve for each variable.

1. $3v - 9 = 9$

6. $2b + 8 = 12$

11. $2y - 1 = 9$

2. $2a - 6 = 4$

7. $2z + 3 = 5$

12. $3a - 5 = 22$

3. $2a - 10 = 0$

8. $3z - 9 = 3$

13. $2y + 1 = 7$

4. $2v - 1 = 3$

9. $3y + 6 = 9$

14. $3u - 6 = 0$

5. $2c + 7 = 9$

10. $2z + 2 = 4$

15. $3x + 5 = 20$

Simple Linear Equations (D) Answers

Solve for each variable.

1. $3v - 9 = 9$
 $v = 6$

6. $2b + 8 = 12$
 $b = 2$

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

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

7. $2z + 3 = 5$
 $z = 1$

12. $3a - 5 = 22$
 $a = 9$

3. $2a - 10 = 0$
 $a = 5$

8. $3z - 9 = 3$
 $z = 4$

13. $2y + 1 = 7$
 $y = 3$

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

9. $3y + 6 = 9$
 $y = 1$

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

5. $2c + 7 = 9$
 $c = 1$

10. $2z + 2 = 4$
 $z = 1$

15. $3x + 5 = 20$
 $x = 5$

Simple Linear Equations (E)

Solve for each variable.

1. $3u + 1 = 31$

6. $3v + 3 = 18$

11. $3a - 5 = 1$

2. $2a + 1 = 21$

7. $2a + 10 = 18$

12. $2b + 8 = 24$

3. $2z + 3 = 13$

8. $3v - 2 = 19$

13. $2b + 8 = 18$

4. $2b - 9 = 5$

9. $3u + 5 = 8$

14. $3b + 7 = 7$

5. $2v - 8 = 0$

10. $2a + 6 = 8$

15. $3v + 5 = 5$

Simple Linear Equations (E) Answers

Solve for each variable.

1. $3u + 1 = 31$
 $u = 10$

6. $3v + 3 = 18$
 $v = 5$

11. $3a - 5 = 1$
 $a = 2$

2. $2a + 1 = 21$
 $a = 10$

7. $2a + 10 = 18$
 $a = 4$

12. $2b + 8 = 24$
 $b = 8$

3. $2z + 3 = 13$
 $z = 5$

8. $3v - 2 = 19$
 $v = 7$

13. $2b + 8 = 18$
 $b = 5$

4. $2b - 9 = 5$
 $b = 7$

9. $3u + 5 = 8$
 $u = 1$

14. $3b + 7 = 7$
 $b = 0$

5. $2v - 8 = 0$
 $v = 4$

10. $2a + 6 = 8$
 $a = 1$

15. $3v + 5 = 5$
 $v = 0$

Simple Linear Equations (F)

Solve for each variable.

1. $3u - 9 = 15$

6. $3u + 4 = 4$

11. $2z - 8 = 8$

2. $2y + 7 = 9$

7. $3u + 3 = 30$

12. $2a + 3 = 13$

3. $3v + 4 = 28$

8. $3z + 10 = 34$

13. $2y + 7 = 19$

4. $3y + 7 = 37$

9. $2v - 5 = 11$

14. $2z + 5 = 25$

5. $3c + 5 = 35$

10. $2z + 4 = 6$

15. $2u + 8 = 24$

Simple Linear Equations (F) Answers

Solve for each variable.

1. $3u - 9 = 15$
 $u = 8$

6. $3u + 4 = 4$
 $u = 0$

11. $2z - 8 = 8$
 $z = 8$

2. $2y + 7 = 9$
 $y = 1$

7. $3u + 3 = 30$
 $u = 9$

12. $2a + 3 = 13$
 $a = 5$

3. $3v + 4 = 28$
 $v = 8$

8. $3z + 10 = 34$
 $z = 8$

13. $2y + 7 = 19$
 $y = 6$

4. $3y + 7 = 37$
 $y = 10$

9. $2v - 5 = 11$
 $v = 8$

14. $2z + 5 = 25$
 $z = 10$

5. $3c + 5 = 35$
 $c = 10$

10. $2z + 4 = 6$
 $z = 1$

15. $2u + 8 = 24$
 $u = 8$

Simple Linear Equations (G)

Solve for each variable.

1. $3v + 6 = 27$

6. $2x + 3 = 11$

11. $2a + 4 = 8$

2. $3b + 7 = 10$

7. $2c - 8 = 6$

12. $3c + 1 = 13$

3. $3y + 7 = 34$

8. $2v + 4 = 4$

13. $2u + 6 = 12$

4. $3x + 8 = 23$

9. $2v - 5 = 7$

14. $3v - 2 = 10$

5. $3z + 5 = 23$

10. $3y + 7 = 22$

15. $3b + 2 = 29$

Simple Linear Equations (G) Answers

Solve for each variable.

1. $3v + 6 = 27$
 $v = 7$

6. $2x + 3 = 11$
 $x = 4$

11. $2a + 4 = 8$
 $a = 2$

2. $3b + 7 = 10$
 $b = 1$

7. $2c - 8 = 6$
 $c = 7$

12. $3c + 1 = 13$
 $c = 4$

3. $3y + 7 = 34$
 $y = 9$

8. $2v + 4 = 4$
 $v = 0$

13. $2u + 6 = 12$
 $u = 3$

4. $3x + 8 = 23$
 $x = 5$

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

14. $3v - 2 = 10$
 $v = 4$

5. $3z + 5 = 23$
 $z = 6$

10. $3y + 7 = 22$
 $y = 5$

15. $3b + 2 = 29$
 $b = 9$

Simple Linear Equations (H)

Solve for each variable.

1. $3v + 3 = 24$

6. $3u + 1 = 7$

11. $3c + 9 = 27$

2. $3v + 8 = 26$

7. $2c + 2 = 12$

12. $3x + 4 = 7$

3. $2v - 3 = 11$

8. $3v - 3 = 15$

13. $2a - 5 = 5$

4. $3z - 1 = 17$

9. $3a + 9 = 15$

14. $3c + 10 = 37$

5. $3b - 7 = 11$

10. $3y + 5 = 29$

15. $2b + 5 = 21$

Simple Linear Equations (H) Answers

Solve for each variable.

1. $3v + 3 = 24$
 $v = 7$

6. $3u + 1 = 7$
 $u = 2$

11. $3c + 9 = 27$
 $c = 6$

2. $3v + 8 = 26$
 $v = 6$

7. $2c + 2 = 12$
 $c = 5$

12. $3x + 4 = 7$
 $x = 1$

3. $2v - 3 = 11$
 $v = 7$

8. $3v - 3 = 15$
 $v = 6$

13. $2a - 5 = 5$
 $a = 5$

4. $3z - 1 = 17$
 $z = 6$

9. $3a + 9 = 15$
 $a = 2$

14. $3c + 10 = 37$
 $c = 9$

5. $3b - 7 = 11$
 $b = 6$

10. $3y + 5 = 29$
 $y = 8$

15. $2b + 5 = 21$
 $b = 8$

Simple Linear Equations (I)

Solve for each variable.

1. $2v + 8 = 20$

6. $3a + 3 = 15$

11. $3v + 6 = 27$

2. $3z + 10 = 19$

7. $3z + 1 = 4$

12. $3x + 8 = 14$

3. $3b - 3 = 0$

8. $3c - 4 = 20$

13. $3x - 4 = 11$

4. $2b - 7 = 13$

9. $3a + 8 = 17$

14. $2b + 5 = 7$

5. $2v - 1 = 5$

10. $3x + 7 = 7$

15. $2x + 10 = 14$

Simple Linear Equations (I) Answers

Solve for each variable.

1. $2v + 8 = 20$
 $v = 6$

6. $3a + 3 = 15$
 $a = 4$

11. $3v + 6 = 27$
 $v = 7$

2. $3z + 10 = 19$
 $z = 3$

7. $3z + 1 = 4$
 $z = 1$

12. $3x + 8 = 14$
 $x = 2$

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

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

13. $3x - 4 = 11$
 $x = 5$

4. $2b - 7 = 13$
 $b = 10$

9. $3a + 8 = 17$
 $a = 3$

14. $2b + 5 = 7$
 $b = 1$

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

10. $3x + 7 = 7$
 $x = 0$

15. $2x + 10 = 14$
 $x = 2$

Simple Linear Equations (J)

Solve for each variable.

1. $3y + 3 = 12$

6. $2b + 6 = 10$

11. $2y + 7 = 11$

2. $2x - 4 = 10$

7. $2x - 9 = 9$

12. $3c - 5 = 19$

3. $3x + 2 = 32$

8. $2x + 1 = 9$

13. $2c - 4 = 0$

4. $3c - 5 = 25$

9. $2v + 9 = 29$

14. $2a + 7 = 13$

5. $3c - 1 = 8$

10. $2a + 2 = 4$

15. $3u + 4 = 10$

Simple Linear Equations (J) Answers

Solve for each variable.

1. $3y + 3 = 12$
 $y = 3$

6. $2b + 6 = 10$
 $b = 2$

11. $2y + 7 = 11$
 $y = 2$

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

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

12. $3c - 5 = 19$
 $c = 8$

3. $3x + 2 = 32$
 $x = 10$

8. $2x + 1 = 9$
 $x = 4$

13. $2c - 4 = 0$
 $c = 2$

4. $3c - 5 = 25$
 $c = 10$

9. $2v + 9 = 29$
 $v = 10$

14. $2a + 7 = 13$
 $a = 3$

5. $3c - 1 = 8$
 $c = 3$

10. $2a + 2 = 4$
 $a = 1$

15. $3u + 4 = 10$
 $u = 2$