Linear Systems (A)

Solve each system of equations.

1. $6b + 4y = 54$
   $4b = 20$

2. $a + 4x = 11$
   $6a = 18$

3. $4u + 5v = 30$
   $5u = 25$

4. $2u + 5y = 15$
   $4u = 20$

5. $2b + c = 12$
   $2b = 10$

6. $6c + z = 31$
   $5c = 25$

7. $6b + 4v = 14$
   $5b = 5$

8. $2x + 6z = 14$
   $5x = 5$

Linear Systems (A) Answers

Solve each system of equations.

1. $6b + 4y = 54$
   $4b = 20$
   $b = 5, y = 6$

2. $a + 4x = 11$
   $6a = 18$
   $a = 3, x = 2$

3. $4u + 5v = 30$
   $5u = 25$
   $u = 5, v = 2$

4. $2u + 5y = 15$
   $4u = 20$
   $u = 5, y = 1$

5. $2b + c = 12$
   $2b = 10$
   $b = 5, c = 2$

6. $6c + z = 31$
   $5c = 25$
   $c = 5, z = 1$

7. $6b + 4v = 14$
   $5b = 5$
   $b = 1, v = 2$

8. $2x + 6z = 14$
   $5x = 5$
   $x = 1, z = 2$

Linear Systems (B)

Solve each system of equations.

1. $2b + 2z = 14$
   $6b = 18$

2. $2a + 3c = 9$
   $5a = 15$

3. $6c + 3v = 36$
   $5c = 20$

4. $c + 2y = 11$
   $6c = 18$

5. $4a + 3x = 15$
   $5a = 15$

6. $4a + 6v = 34$
   $5a = 20$

7. $3b + x = 4$
   $6b = 6$

8. $5a + 6u = 60$
   $6a = 36$

Linear Systems (B) Answers

Solve each system of equations.

1. $2b + 2z = 14$
   $6b = 18$
   $b = 3, z = 4$

2. $2a + 3c = 9$
   $5a = 15$
   $a = 3, c = 1$

3. $6c + 3v = 36$
   $5c = 20$
   $c = 4, v = 4$

4. $c + 2y = 11$
   $6c = 18$
   $c = 3, y = 4$

5. $4a + 3x = 15$
   $5a = 15$
   $a = 3, x = 1$

6. $4a + 6v = 34$
   $5a = 20$
   $a = 4, v = 3$

7. $3b + x = 4$
   $6b = 6$
   $b = 1, x = 1$

8. $5a + 6u = 60$
   $6a = 36$
   $a = 6, u = 5$

Linear Systems (C)

Solve each system of equations.

1. $4c + 2v = 20$
   $2c = 8$

2. $4u + 4z = 28$
   $2u = 2$

3. $4x + z = 18$
   $4x = 16$

4. $2b + 2x = 14$
   $4b = 4$

5. $3a + 4u = 23$
   $3a = 3$

6. $3u + 4z = 38$
   $5u = 30$

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

8. $4u + 5y = 17$
   $2u = 6$

Linear Systems (C) Answers

Solve each system of equations.

1. $4c + 2v = 20$
   $2c = 8$
   $c = 4, v = 2$

2. $4u + 4z = 28$
   $2u = 2$
   $u = 1, z = 6$

3. $4x + z = 18$
   $4x = 16$
   $x = 4, z = 2$

4. $2b + 2x = 14$
   $4b = 4$
   $b = 1, x = 6$

5. $3a + 4u = 23$
   $3a = 3$
   $a = 1, u = 5$

6. $3u + 4z = 38$
   $5u = 30$
   $u = 6, z = 5$

7. $2a + 2b = 10$
   $4a = 4$
   $a = 1, b = 4$

8. $4u + 5y = 17$
   $2u = 6$
   $u = 3, y = 1$

Linear Systems (D)

Solve each system of equations.

1. $4c + 2v = 28$
   $6c = 36$

2. $y + 4z = 10$
   $6y = 36$

3. $6a + b = 40$
   $4a = 24$

4. $4x + 2y = 22$
   $2x = 6$

5. $2c + 3y = 15$
   $c = 6$

6. $3b + 4u = 14$
   $6b = 12$

7. $4c + 2u = 28$
   $4c = 24$

8. $5v + 3y = 42$
   $2v = 12$

Linear Systems (D) Answers

Solve each system of equations.

1. $4c + 2v = 28$
   $6c = 36$
   $c = 6, v = 2$

2. $y + 4z = 10$
   $6y = 36$
   $y = 6, z = 1$

3. $6a + b = 40$
   $4a = 24$
   $a = 6, b = 4$

4. $4x + 2y = 22$
   $2x = 6$
   $x = 3, y = 5$

5. $2c + 3y = 15$
   $c = 6$
   $c = 6, y = 1$

6. $3b + 4u = 14$
   $6b = 12$
   $b = 2, u = 2$

7. $4c + 2u = 28$
   $4c = 24$
   $c = 6, u = 2$

8. $5v + 3y = 42$
   $2v = 12$
   $v = 6, y = 4$

Linear Systems (E)

Solve each system of equations.

1. $5u + x = 21$
   $u = 3$

2. $2u + 3y = 17$
   $u = 1$

3. $6b + 4c = 22$
   $6b = 18$

4. $5b + 4u = 46$
   $b = 6$

5. $4y + z = 26$
   $6y = 36$

6. $5b + 6v = 35$
   $4b = 4$

7. $6b + u = 13$
   $6b = 12$

8. $3v + 2z = 19$
   $6v = 18$

Linear Systems (E) Answers

Solve each system of equations.

1. $5u + x = 21$
   $u = 3$
   $u = 3, x = 6$

2. $2u + 3y = 17$
   $u = 1$
   $u = 1, y = 5$

3. $6b + 4c = 22$
   $6b = 18$
   $b = 3, c = 1$

4. $5b + 4u = 46$
   $b = 6$
   $b = 6, u = 4$

5. $4y + z = 26$
   $6y = 36$
   $y = 6, z = 2$

6. $5b + 6v = 35$
   $4b = 4$
   $b = 1, v = 5$

7. $6b + u = 13$
   $6b = 12$
   $b = 2, u = 1$

8. $3v + 2z = 19$
   $6v = 18$
   $v = 3, z = 5$

Linear Systems (F)

Solve each system of equations.

1. $4v + 2z = 30$
   $4v = 24$

2. $2y + z = 8$
   $y = 2$

3. $2c + 6x = 26$
   $3c = 12$

4. $2c + 2u = 14$
   $4c = 16$

5. $6x + 4z = 30$
   $x = 3$

6. $2c + v = 13$
   $4c = 24$

7. $2c + 3x = 7$
   $4c = 8$

8. $u + 2y = 16$
   $4u = 16$

Linear Systems (F) Answers

Solve each system of equations.

1. $4v + 2z = 30$
   $4v = 24$
   $v = 6, z = 3$

2. $2y + z = 8$
   $y = 2$
   $y = 2, z = 4$

3. $2c + 6x = 26$
   $3c = 12$
   $c = 4, x = 3$

4. $2c + 2u = 14$
   $4c = 16$
   $c = 4, u = 3$

5. $6x + 4z = 30$
   $x = 3$
   $x = 3, z = 3$

6. $2c + v = 13$
   $4c = 24$
   $c = 6, v = 1$

7. $2c + 3x = 7$
   $4c = 8$
   $c = 2, x = 1$

8. $u + 2y = 16$
   $4u = 16$
   $u = 4, y = 6$

Linear Systems (G)

Solve each system of equations.

1. $a + 6c = 20$
   $5a = 10$

2. $6u + 2v = 30$
   $u = 4$

3. $u + z = 6$
   $6u = 24$

4. $5a + 4z = 30$
   $6a = 12$

5. $2a + 6x = 14$
   $4a = 16$

6. $6a + 3u = 27$
   $4a = 16$

7. $4a + 4x = 28$
   $a = 2$

8. $3b + 4v = 19$
   $6b = 30$

Linear Systems (G) Answers

Solve each system of equations.

1. $a+6c=20$
   $5a=10$
   $a=2, c=3$

2. $6u+2v=30$
   $u=4$
   $u=4, v=3$

3. $u+z=6$
   $6u=24$
   $u=4, z=2$

4. $5a+4z=30$
   $6a=12$
   $a=2, z=5$

5. $2a+6x=14$
   $4a=16$
   $a=4, x=1$

6. $6a+3u=27$
   $4a=16$
   $a=4, u=1$

7. $4a+4x=28$
   $a=2$
   $a=2, x=5$

8. $3b+4v=19$
   $6b=30$
   $b=5, v=1$

Linear Systems (H)

Solve each system of equations.

1. $4a + 6c = 14$
   $6a = 12$

2. $2c + 6y = 20$
   $5c = 20$

3. $5a + 6y = 37$
   $a = 5$

4. $3a + 5y = 30$
   $5a = 25$

5. $6b + 6c = 48$
   $2b = 6$

6. $3u + 3v = 36$
   $2u = 12$

7. $2b + 2c = 20$
   $4b = 16$

8. $2b + 5v = 9$
   $3b = 6$

Linear Systems (H) Answers

Solve each system of equations.

1. $4a+6c=14$
   $6a=12$
   $a=2, c=1$

2. $2c+6y=20$
   $5c=20$
   $c=4, y=2$

3. $5a+6y=37$
   $a=5$
   $a=5, y=2$

4. $3a+5y=30$
   $5a=25$
   $a=5, y=3$

5. $6b+6c=48$
   $2b=6$
   $b=3, c=5$

6. $3u+3v=36$
   $2u=12$
   $u=6, v=6$

7. $2b+2c=20$
   $4b=16$
   $b=4, c=6$

8. $2b+5v=9$
   $3b=6$
   $b=2, v=1$

Linear Systems (I)

Solve each system of equations.

1. $3a + 6v = 42$
   $4a = 8$

2. $5u + 5v = 10$
   $3u = 3$

3. $6v + 6z = 60$
   $6v = 24$

4. $5u + y = 16$
   $6u = 18$

5. $5a + 3c = 36$
   $5a = 30$

6. $5c + 6v = 23$
   $5c = 5$

7. $3a + 5u = 33$
   $a = 6$

8. $6a + b = 12$
   $4a = 4$

Linear Systems (I) Answers

Solve each system of equations.

1. $3a+6v=42$
   $4a=8$
   $a=2, v=6$

2. $5u+5v=10$
   $3u=3$
   $u=1, v=1$

3. $6v+6z=60$
   $6v=24$
   $v=4, z=6$

4. $5u+y=16$
   $6u=18$
   $u=3, y=1$

5. $5a+3c=36$
   $5a=30$
   $a=6, c=2$

6. $5c+6v=23$
   $5c=5$
   $c=1, v=3$

7. $3a+5u=33$
   $a=6$
   $a=6, u=3$

8. $6a+b=12$
   $4a=4$
   $a=1, b=6$

Linear Systems (J)

Solve each system of equations.

1. $5a + c = 22$
   $3a = 12$

2. $6b + z = 14$
   $6b = 12$

3. $4x + 2z = 18$
   $5x = 10$

4. $3u + 4v = 36$
   $u = 4$

5. $3c + u = 23$
   $4c = 24$

6. $b + 5z = 31$
   $2b = 12$

7. $5x + 3z = 38$
   $6x = 24$

8. $4a + 4z = 28$
   $a = 5$

Linear Systems (J) Answers

Solve each system of equations.

1. $5a + c = 22$
   $3a = 12$
   $a = 4, c = 2$

2. $6b + z = 14$
   $6b = 12$
   $b = 2, z = 2$

3. $4x + 2z = 18$
   $5x = 10$
   $x = 2, z = 5$

4. $3u + 4v = 36$
   $u = 4$
   $u = 4, v = 6$

5. $3c + u = 23$
   $4c = 24$
   $c = 6, u = 5$

6. $b + 5z = 31$
   $2b = 12$
   $b = 6, z = 5$

7. $5x + 3z = 38$
   $6x = 24$
   $x = 4, z = 6$

8. $4a + 4z = 28$
   $a = 5$
   $a = 5, z = 2$