

## Systemes Linéaires (C)

Trouvez les solutions des systemes d'équations suivants.

1.  $6a + 5b + u = 16$   
 $3a + 5b + 3u = 23$   
 $5a + b + u = 11$

5.  $4b + 6u + z = 37$   
 $2b + 4u + z = 23$   
 $b + 4u + 3z = 28$

2.  $a + 6b + z = 38$   
 $3a + 4b + 6z = 59$   
 $6a + 6b + z = 53$

6.  $a + 5u + 3z = 39$   
 $4a + 4u + 2z = 40$   
 $6a + 2u + 5z = 40$

3.  $a + 6b + 4z = 37$   
 $5a + 3b + 5z = 44$   
 $2a + 2b + 2z = 20$

7.  $6b + v + 3z = 33$   
 $6b + 5v + 3z = 45$   
 $5b + 3v + z = 28$

4.  $2b + x + 5z = 42$   
 $6b + 6x + 5z = 78$   
 $5b + 4x + 6z = 72$

8.  $3c + 4y + 2z = 28$   
 $c + y + z = 10$   
 $2c + 5y + 6z = 42$

## Systemes Linéaires (C) Solutions

Trouvez les solutions des systemes d'équations suivants.

1.  $6a + 5b + u = 16$   
 $3a + 5b + 3u = 23$   
 $5a + b + u = 11$   
 $a = 1, b = 1, u = 5$

5.  $4b + 6u + z = 37$   
 $2b + 4u + z = 23$   
 $b + 4u + 3z = 28$   
 $b = 5, u = 2, z = 5$

2.  $a + 6b + z = 38$   
 $3a + 4b + 6z = 59$   
 $6a + 6b + z = 53$   
 $a = 3, b = 5, z = 5$

6.  $a + 5u + 3z = 39$   
 $4a + 4u + 2z = 40$   
 $6a + 2u + 5z = 40$   
 $a = 3, u = 6, z = 2$

3.  $a + 6b + 4z = 37$   
 $5a + 3b + 5z = 44$   
 $2a + 2b + 2z = 20$   
 $a = 3, b = 3, z = 4$

7.  $6b + v + 3z = 33$   
 $6b + 5v + 3z = 45$   
 $5b + 3v + z = 28$   
 $b = 3, v = 3, z = 4$

4.  $2b + x + 5z = 42$   
 $6b + 6x + 5z = 78$   
 $5b + 4x + 6z = 72$   
 $b = 4, x = 4, z = 6$

8.  $3c + 4y + 2z = 28$   
 $c + y + z = 10$   
 $2c + 5y + 6z = 42$   
 $c = 4, y = 2, z = 4$