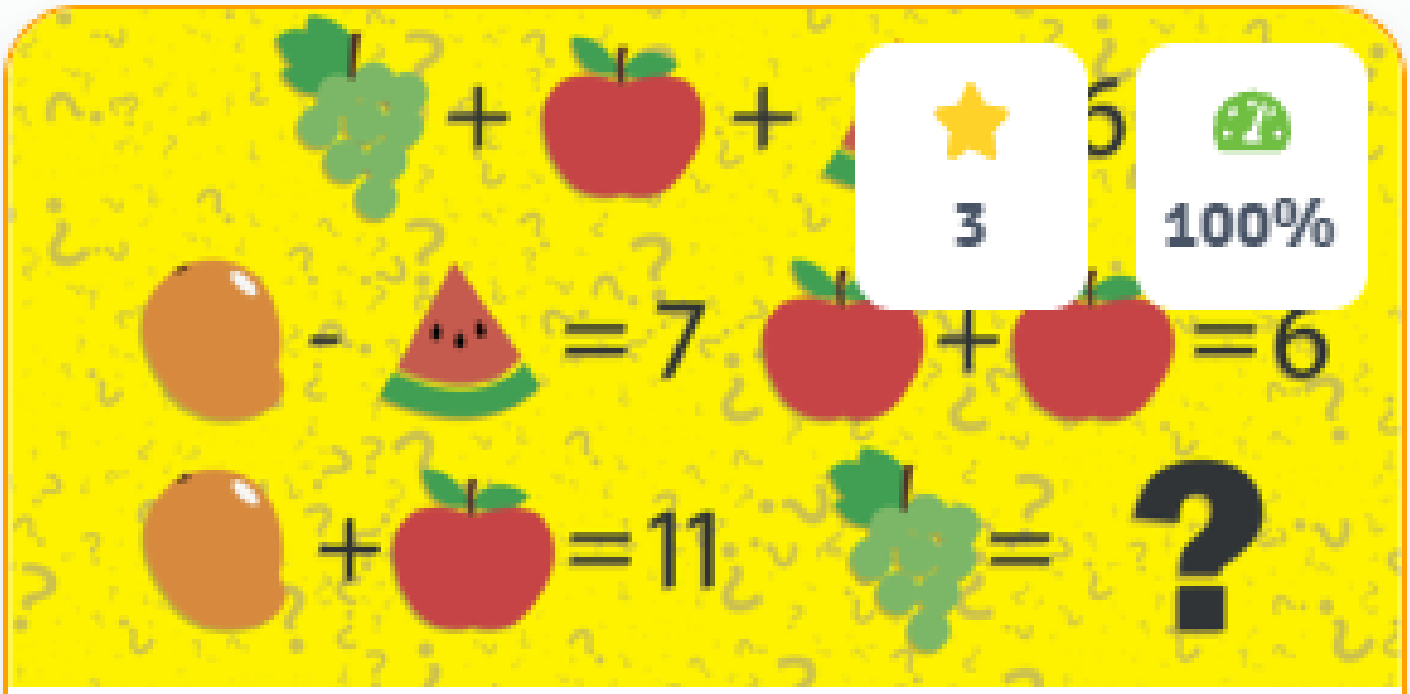
https://t.me/+yI_iw77XeiFlZTg0



Linear Systems and Matrices

7. Solving Systems with one Solution

Lesson

Review

View hints View feedback Play All

QUESTION 1

What is the solution to the system of equations?

$$2x - 5y - z = 7$$
$$-3x + 2y - 5z = -2$$
$$3x + 3y + 2z = 21$$

Drag and drop the correct answer into the box.

The solution to the system of equations is $(7, 2, -3)$ ✓.

$(-7, -2, 3)$ $(2, -3, 7)$ $(7, -3, 2)$

QUESTION 2

Solve the system of equations.

$$3x + 2y + 2z = -7$$
$$4x - y - 4z = 4$$
$$-2x + 3y + z = 0$$

Drag and drop the correct answer into the box.

The ordered triple is $(-1, 0, -2)$ ✓.

$(-2, 0, -1)$ $(1, -2, 0)$ $(-1, 2, 0)$

QUESTION 3

What is the solution to the system?

$$x + y - z = 6$$
$$3y - z = 9$$
$$z = 3$$

Enter the solution in the spaces provided.

(5 , 4 , 3)

QUESTION 4

What is the solution of the system of equations?

$$-x + 2y - 3z = 23$$
$$3x - y + 4z = -19$$
$$2x + 2y - 4z = 22$$

Enter the ordered triple in the spaces provided.

(-1 , 8 , -2)

QUESTION 5

QUESTION 5

Solve the system of equations.

$5x - y + 4z = 4$

$2x + 4y - z = 0$

$x + 5y + 2z = 16$

Enter the solution in the spaces provided.

(-2 , 2 , 4)

QUESTION 6

Solve the system of equations.

$2x - y + 3z = -3$

$x + 6z = 2$

$2z = 2$

Enter the solution in the spaces provided.

(-4 , -2 , 1)

QUESTION 7

What is the solution to the system?

$$x - 3y + 2z = 19$$
$$2x + 4y = 6$$
$$3x = 21$$

Enter the solution in the spaces provided.

(7 ✓ , -2 ✓ ,
3 ✓)

QUESTION 8

Solve the system of equations.

$$x + 2y + z = 5$$
$$3x + y - 2z = -5$$
$$5x + 2y - 4z = -13$$

Enter the ordered triple in the spaces provided.

(3 ✓ , -2 ✓ ,
6 ✓)

QUESTION 9

Solve the system of equations.

$$2x + 3y - 4z = -16$$
$$x + 2y - z = -2$$
$$z = x + y$$

Enter the ordered triple in the spaces provided.

(9 , -2 ,
7)

QUESTION 10

Solve the system of equations.

$$2x + y - 2z = -9$$
$$5x + 2y - 3z = -5$$
$$z = x - y$$

Enter the solution in the spaces provided.

(5 , -3 ,
8)

QUESTION 11

Solve the system of equations.

$$-x + 3y + 2z = 23$$
$$2x - 5y + z = -7$$
$$z = x + y$$

Select your answer from the drop-down menu.

The ordered triple is (3, 4, 7) .

QUESTION 12

What ordered triple is the solution of the system of equations?

$$4x + 2y + z = -3$$
$$3x - 2y + 2z = 2$$
$$y = x + z$$

Select your answer from the drop-down menu.

The ordered triple is $(2, -3, -5)$ ✓ .

QUESTION 13

Solve the system of equations.

$$2x - 2y + 3z = 6$$
$$-x + 3y + z = 18$$
$$x = y - z$$

Select your answer from the drop-down menu.

The ordered triple is $(-3, 3, 6)$ ✓ .

QUESTION 14

Choose the correct answer.

Solve the system of equations.

$$4x - y + 2z = 13$$
$$3y - 5z = -34$$
$$8z = 40$$

- ○ $(1.5, 3, 5)$
- ○ $(5, -3, 0)$
- ◉ $(0, -3, 5)$ ✓
- ○ $(5, 3, 1.5)$

QUESTION 15

Choose the correct answer.

Which ordered triple is the solution of the system of equations?

$$3x - y - 2z = 7$$
$$-x + 3z = -14$$
$$8x = 16$$

- ◉ $(2, 7, -4)$ ✓
- ○ $(2, -4, 7)$
- ○ $(2, -9, 4)$

$(2, 4, -9)$