

### EXERCISE 12A

Solve the following questions:

1.  $x + 5 = 10$

**Solution:**

$$x + 5 = 10$$

So we get

$$x = 10 - 5 = 5$$

2.  $2 + y = 7$

**Solution:**

$$2 + y = 7$$

So we get

$$y = 7 - 2 = 5$$

3.  $a - 2 = 6$

**Solution:**

$$a - 2 = 6$$

So we get

$$a = 6 + 2 = 8$$

4.  $x - 5 = 8$

**Solution:**

$$x - 5 = 8$$

So we get

$$x = 8 + 5 = 13$$

5.  $5 - d = 12$

**Solution:**

$$5 - d = 12$$

So we get

$$-d = 12 - 5 = 7$$

$$d = -7$$

6.  $3p = 12$

**Solution:**

$$3p = 12$$

So we get

$$p = 12/3 = 4$$

7.  $14 = 7m$

**Solution:**

$$14 = 7m$$

So we get  
 $m = 14/7 = 2$

**8.  $2x = 0$**

**Solution:**

$2x = 0$   
So we get  
 $x = 0/2 = 0$

**9.  $x/9 = 2$**

**Solution:**

$x/9 = 2$   
So we get  
 $x = 2 \times 9 = 18$

**10.  $y/-12 = -4$**

**Solution:**

$y/-12 = -4$   
So we get  
 $y = -4 \times -12 = 48$

**11.  $8x - 2 = 38$**

**Solution:**

$8x - 2 = 38$   
So we get  
 $8x = 38 + 2$   
 $8x = 40$   
 $x = 40/8 = 5$

**12.  $2x + 5 = 5$**

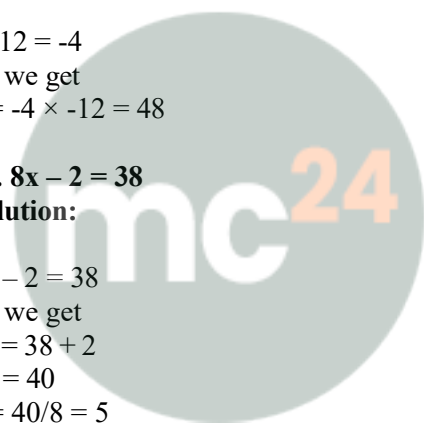
**Solution:**

$2x + 5 = 5$   
So we get  
 $2x = 5 - 5$   
 $2x = 0$   
 $x = 0/2 = 0$

**13.  $5x - 1 = 74$**

**Solution:**

$5x - 1 = 74$   
So we get  
 $5x = 74 + 1$   
 $5x = 75$   
 $x = 75/5 = 15$



14.  $14 = 27 - x$

**Solution:**

$$14 = 27 - x$$

So we get

$$x = 27 - 14 = 13$$

15.  $10 + 6a = 40$

**Solution:**

$$10 + 6a = 40$$

So we get

$$6a = 40 - 10$$

$$6a = 30$$

$$a = 30/6 = 5$$



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