**Question 1**

Time: 00:00:37

What will be the 10th term in series 3,0,-3,- 6?

-21

-24

-27

-30

a=3, d= -3, n=10  
we know ,n\'th term = a+(n-1)d  
=3+(10-1)\*(-3)  
=3-27 = -24

**Question 2**

Time: 00:00:39

What is the next number in this sequence: 1, 11, 21, 1211, 111221, 312211, 13112221?

31131211111221

31131211131222

31231211131221

31131211131221

This sequence is known as the "look-and-say" sequence. Each term is generated by describing the digits of the previous term.

* Start with "1": the next term is "one 1" → 11.
* "11" is "two 1s" → 21.
* "21" is "one 2, one 1" → 1211.
* "1211" is "one 1, one 2, two 1s" → 111221.
* "111221" is "three 1s, two 2s, one 1" → 312211.
* "312211" is "one 3, one 1, two 2s, two 1s" → 13112221.

So, the next term is:

* "13112221" → "one 1, one 3, two 1s, three 2s, one 1" → **1113213211**.