

Answer on Question # 33654 – Math – Algebra

Find the nth term of each arithmetic progression.

1. $A_1=3$ $d= 7$ $n=11$

Solution.

If the initial term of an arithmetic progression is a_1 and the common difference of successive members is d , then the nth term of the sequence (a_n) is given by:

$$a_n = a_1 + (n - 1)d. \quad (1)$$

So, using (1) we obtain that

$$a_n = 3 + (11 - 1) * 7;$$

$$a_n = 3 + 70 = 73.$$

Answer.

73