

## Answer on Question #81899 – Math – Algebra

### Question

28th term: 0, -4, -8, -12, ..

### Solution

Formula:  $a_n = a_1 + (n - 1) * d$

We have the given Arithmetic series with the common difference -4.

Here

$$n = 28$$

$$a_1 = 0$$

$$d = -4$$

and d means the common difference between terms, that is, -4

So now we put these all values in Formula

$$a_{28} = 0 + (28 - 1) \cdot (-4)$$

$$a_{28} = 27 \cdot (-4)$$

Simplifying

$$a_{28} = -108$$

**Answer:**  $a_{28} = -108$ .