

**Akinsete, A. A.** and Oguntuase, J. A. (2002). Characterizing property of a class of natural numbers. *Proceedings of the Jangjeon Mathematical Society*. **5, (2)**, 99-104. MR1945772.

**Abstract:**

We propose a set of  $2n$ -digit non-negative integral numbers;  $\{n \in \mathbb{Z}^+ - 1\}$ , henceforth called the  $\alpha$ -number. The numbers are partitioned in a particular manner, and subjected to two types of differencing. The results of the differences are added successively to obtain some constants. For any given  $2n$ -digit number, the values of the constants are equal under the two types of differencing. If otherwise, a condition is imposed that brings about the equality of the constants.