Abstract

Numbers found on computer were represented in 0s and 1s or bits, from binary digits. These numbers are identified from their bases. They can be converted from one number to another number. The researcher innovate simplified theorem in conversion of these numbers in simple mathematical operation. Conversion of these numbers were presented in conventional and exhausted manner in most references, it involves two or more variety of operation. This innovative tool is very easy to learn and very efficient. Three attributes; usability, reliability, and efficiency were employed to ascertain the applicability of the simplified theorem as tool for instruction.

References


**Index Terms**

Computer Science  
Applied Mathematics

**Keywords**

Binary, Base, Efficiency, Hexadecimal, Octal, Innovative Tool, Number System, Reliability, Simplified Theorem, Usability.