

A Study of Decimal Place Value System in Ancient Indian Mathematics

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Abstract: *The aim of this article is to overview of ancient Indian Mathematics in respect of decimal place value system. The base ten system is not much different than other number systems. It is called the Hindu Arabic system. The digits were started to appear in India a few centuries before Christ. The decimal system emerged as we know it in 825 in a book by Arabian mathematician al-Khwarizmi. Fibonacci popularized it in Europe around 1200. The earliest evidence of decimal place value system in India and south east Asia is from the middle of the first millennium CE. The written evidence in a decimal place value notation was found on the copper plate from Gujarat, India in the date 595 CE. The decimal numerals recording have also been found in stone inscriptions in Indonesia and Cambodia in the years 683 CE, where Indian cultural influence was substantial.*

Keywords: decimal place value system, duodecimal system, decimal fractions, Brahmi numerals, Vedic literature, centesimal system etc.

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