

1145-K1-634 **Amy Shell-Gellasch*** (ashellge@emich.edu), 4279 Lilac Lane, Ann Arbor, MI 48197. *Ancient Indian Verse and the Powers of 2.*

Ancient Indian culture regarded the writing of verse as a high art. In fact, even their mathematics was written in verse. An important component of writing verse was Prosody, determining which and how many syllables are stressed in each line of poetry. Ancient Indian's used an ingenious mathematical algorithm to determine how many syllables could be stressed. Given that they did not have exponential notation, their method is more efficient than straight multiplication. (Received September 11, 2018)