

1106-D1-1849 **Ximena Catepillan** (ximena.catepillan@millersville.edu), Department of Mathematics, Millersville University, Millersville, PA 17551, and **Waclaw Szymanski*** (wszymanski@wcupa.edu), Department of Mathematics, West Chester University, West Chester, PA 19383. *Remarks on Vedic Arithmetic - multiplication.*

Vedic Mathematics is the name given to the ancient system of Hindu Mathematics which was rediscovered from the Vedas between 1911 and 1918 by Sri Bharat Krsna Tirthaji (1884-1960). According to his research, all of Mathematics is based on sixteen sutras or word formulae. A method of multiplying natural numbers based on Sutra 3 Vertically and Crosswise, called the Urdhva Tiryak Sutra (in Sanskrit), will be presented. The method, which allows to multiply numbers faster than the method currently taught in schools, has been successfully learned by students at the undergraduate level. (Received September 15, 2014)