Amin Witno<br>Niven Repunits in General Bases,<br>Fibonacci Quart. 54 (2016), no. 1, 59-64.

## Abstract

We show that the generalized repunit $\left(b^{n}-1\right) /(b-1)$ is divisible by $n$ if and only if $n$ is divisible by the multiplicative order of $b$ modulo every prime factor of $n$. This fact is a generalization of an older result which holds for $b=10$. A few consequences of this theorem concerning base- $b$ Niven numbers are also discussed.

