

Kritkhajohn Onphaeng and Prapanpong Pongsriiam
*The Converse of Exact Divisibility by Powers of the Fibonacci and
Lucas Numbers,*
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Abstract

In 2014, Pongsriiam obtained the results on exact divisibility by powers of the Fibonacci and Lucas numbers. For instance, he proved that if $F_n^k \parallel m$, $n \geq 3$, and $n \not\equiv 3 \pmod{6}$, then $F_n^{k+1} \parallel F_{nm}$. In this article, we give the converse of those theorems.