Passawan Noppakaew, Pavita Kanwarunyu, and Parit Wanitchatchawan *k*-Fibonacci Numbers and *k*-Lucas Numbers in Beatty Sequences Generated by Powers of Metallic Means, Fibonacci Quart. **61** (2023), no. 2, 167–177.

## Abstract

For each positive integer k, denote the metallic mean  $(k + \sqrt{k^2 + 4})/2$ by  $\alpha_k$ . In this article, we give some new identities in volving the k-Fibonacci numbers, the k-Lucas numbers, metallic means, the fl oor function, and fractional parts. We also provide some properties of the Beatt y sequence  $B(\alpha_k^n)$  generated by  $\alpha_k^n$ , where n is any positive integer. Then these properties are used to show connections b etween k-Fibonacci and k-Lucas numbers and the sequence  $B(\alpha_k^n)$ .