Ralph P. Grimaldi<br>Extraordinary Subsets: A Generalization, Fibonacci Quart. 55 (2017), no. 2, 114-122.

## Abstract

For $n$ a positive integer, a subset $S$ of $[n](=\{1,2,3, \ldots, n\})$ is called extraordinary if $|S|$ is equal to the smallest element of $S$. The number of such subsets $S$, for a given $n$, is counted by $F_{n}$, the $n$th Fibonacci number.

For positive integers $k, n$, where $1<k \leq n$, we now investigate those subsets $S$ of $[n]$, where $|S|$ is equal to the $k$ th smallest element of $S$. We call such subsets $S k$-extraordinary.

