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### *Some interpretations of the $(k, p)$ -Fibonacci numbers*

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**Abstract:** In this paper we consider two parameters generalization of the Fibonacci numbers and Pell numbers, named as the  $(k, p)$ -Fibonacci numbers. We give some new interpretations of these numbers. Moreover using these interpretations we prove some identities for the  $(k, p)$ -Fibonacci numbers.

**Keywords:** Fibonacci number; Pell number; tiling

**AMS Subject Classification:** 11B39, 11B83, 05C15, 05A19

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