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Victor H Moll* (vhm@tulane.edu), 324 Pine St, New Orleans, LA 70118. *Valuations of integer sequences*. Preliminary report.

Given a prime p and an integer x , the p -adic valuation $\nu_p(x)$ is the highest power of p dividing x . In this talk we will describe a variety of phenomena encountered in the process of trying to describe the valuation of sequences specific sequences. Examples include valuations of integers generated from a polynomial, the valuation of sequences appearing in a combinatorial context (Stirling and Fibonacci Numbers) and sequences produced in the process of evaluating definite integrals. (Received January 19, 2020)