

**Abstract** :- The purpose of this talk is to define discrete Besicovitch-Eggleston subsets of the positive integers  $N$  based on the frequencies of digits in the  $N$ -ary expansion of positive integers, and show that the (suitably defined discrete versions of the usual) fractional dimensions of these sets satisfy a formula similar to the classical formula for the Hausdorff dimension of the usual Besicovitch-Eggleston sets.