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Hasan Coskun* (hasan_coskun@tamu-commerce.edu), Department of Mathematics, 2600 S Neal St, Binnion Hall 314, Commerce, TX 75429. *Multiple special numbers.*

Multiple qt -binomial coefficients and multiple analogues of several celebrated families of related special numbers will be constructed. These higher dimensional generalizations include the first and the second kind of qt -Stirling numbers, qt -Bell numbers, qt -Bernoulli numbers, qt -Catalan numbers and the qt -Fibonacci numbers. Certain significant applications will also be presented including two discrete probability measures on the set of integer partitions. (Received February 07, 2010)