

1125-Q5-1371 **Maria S. Nogin*** (mnogin@csufresno.edu), 5245 N Backer Ave, M/S PB 108, Fresno, CA 93740, and **Adnan H. Sabuwala** (asabuwala@csufresno.edu), 5245 N Backer Ave, M/S PB 108, Fresno, CA 93740. *The magical way to learn mathematics.*

In this talk we will demonstrate some of the card tricks that we teach to grade 5-10 students in the Math Circle at Fresno State. These tricks are purely mathematical in nature with no sleight of hand. Kids are always eager to learn why the tricks work and how to perform them – what a great incentive to learn the Pigeonhole principle, permutations, different base representations, and many other concepts! We will also share our website that contains descriptions of these and other magic tricks and (of course!) explanations of the mathematics behind them. (Received September 20, 2016)