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**Jack Luong** and **Maria Diaz\*** ([mdiaz1824@mail.fresnostate.edu](mailto:mdiaz1824@mail.fresnostate.edu)). *Chomp and Nim in K-12 Math Circles*. Preliminary report.

Playing and discussing mathematical games in K-12 math circles teaches students deep mathematics in a fun way. Through mathematical games, students can learn vital concepts such as symmetry, logic and abstraction. In this talk, we will describe a couple mathematical games such as Chomp and Nim that are used or can be used at the Fresno State Math Circle, and how they develop mathematical thinking in Math Circle participants. (Received March 03, 2020)