

1125-C1-1976 **Oscar Levin*** (oscar.levin@unco.edu), School of Mathematical Sciences, Campus Box 122, 501
20th Street, Greeley, CO 80639. *Tricks to make counting harder for students.*

One of the most challenging topics for students in discrete mathematics courses is counting. Perhaps even more challenging is figuring out how to teach the topic. One approach is to distill commonalities of problems into simple rules for students to follow. This attempt to make counting easier does not seem to help much. In this talk, we will consider the opposite approach. We will explore some ideas about how to make counting harder, and look at how this might benefit students. (Received September 19, 2016)