# Some Interesting Multiples of Nine: Use Your Digits to Get the Digits! 

Kevin Hurley<br>Maine South High School<br>khurley@maine207south.k12.il.us


#### Abstract

We have unraveled two neat and powerful algorithms for calculating certain multiples of nine. These discussions might make for an interesting introduction to a number theory course, or a supplemental project in calculus or advanced algebra. The mathematics involved is within a student's grasp, and the results are quite startling.


