

1106-S5-2107 **Martha H Byrne*** (byrnema@earlham.edu), Earlham College, Drawer 138, 801 National Rd W,
Richmond, IN 47374. *Divisibility and Logic - A Problem for Math Circles.*

This talk will present a problem accessible to either students or teachers. The solution uses only common divisibility rules and logic to construct a 10-digit number. This problem successfully engaged small groups at an established math teachers' circle in the southwest. (Received September 15, 2014)