

## SMC Department of Mathematics Problem of the Week

**Deadline:** Monday March 16th

**Lucky Number:** In a far away galaxy in a special little solar system on the ninth planet from the sun live humanoids that also use a base ten numeral system. On this planet, the inhabitants have a very lucky number which is the least positive multiple of nine such that each digit is even and each digit is a unique (different) digit. Find this very lucky number.

**Prize:** The first person to submit a correct solution to Rena Levitt (Galileo 108B) will have their choice of many fine mathematical prizes. In addition, the person with the most correct submissions this semester will receive a prize at the end of the semester. The final deadline for submission is noon on Monday, Monday March 16th. Good Luck!