



Problem of the Week

Problem E

Definitely Not Odd

Timmy creates nine-digit positive integers by using the digits from 1 to 9 each exactly once. How many of these nine-digit integers are a multiple of 4 or have a units digit that is an 8?

Number	Divisible by 4	Units Digit is 8
987612345	X	X
123456798	X	✓
198764352	✓	X
937614528	✓	✓

