Rearranging 9 digits

Find a 9-digit number $a_1a_2\ldots a_9$ so that $\{a_1, a_2, \ldots, a_9\} = \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$, i.e. the number is a permutation of the 9 non-zero digits. We also require that i divides evenly into the i-digit number $a_1a_2\ldots a_i$. Without much trouble you can show that $\{a_2, a_4, a_6, a_8\} = \{2, 4, 6, 8\}$. And perhaps you remember various divisibility tricks.

Oddly satisfying problem.