

## Problem of the Week

Proposed by Bernardo Ábrego and Silvia Fernández

March 5-12

Find all positive integers with two or more digits such that if we insert a 0 between the units and tens digits we get a multiple of the original number.

This contest is sponsored by the Mathematics Department. Open to all CSUN students. Winner gets \$5 or an equivalent prize. All complete and correct solutions get a certificate. **Special prizes will be given to the three people solving the most number of problems correctly during the semester.**

Type and send your solution before March 12th, 9:00PM to [silvia.fernandez@csun.edu](mailto:silvia.fernandez@csun.edu).

All steps of the solution must be clearly justified.

For rules, winners, solutions, and more information visit: [www.csun.edu/math/probweek](http://www.csun.edu/math/probweek)