

Problem of the Week

Proposed by Bernardo Ábrego and Silvia Fernández

October 27-November 3

p_1	p_2	p_3
p_4	p_5	p_6
p_7	p_8	p_9

Find nine different prime numbers $p_1, p_2, p_3, p_4, p_5, p_6, p_7, p_8,$ and p_9 , (see the figure) so that the sum of the three entries in any column, row, or diagonal is also a prime number.

The first solution with smallest sum $p_1+p_2+p_3+p_4+p_5+p_6+p_7+p_8+p_9$ wins.

This contest is sponsored by the Mathematics Department. Open to all CSUN students. Winner gets \$10 or an equivalent prize. All complete and correct solutions get a certificate. Type and send your solution before November 3rd, 9:00PM to 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