

Kwantlen Polytechnic University

Mathematics Problem of the Week



Problem number 282

Posted Monday March 21, 2016

Submit by noon, Monday March 29, 2016

St Patrick's Day, March 17, has often been the occasion for festive parades, and in larger American cities such as New York, these often get very big indeed.

In this Loyd puzzle, a parade group finds itself one person short. They form up in rows of 10, but find that they have one space in the last row. They know that 11 will not work, so try rows of 9, 8, 7, etc, all the way down to 2. There is always one space in the last row. Eventually, the leader gives up and settles with single file.

How many marchers are there at a minimum?



Submit your solution by

- \$ emailing it to MathProblem@kpu.ca
- \$ putting it in the MPOW box in the Math Assistance Centre on the Surrey campus (library, main floor)
- \$ putting it in the MPOW box in The Learning Centre on the Richmond campus (located in the library)
- \$ giving it to Tariq Nuruddin (Surrey A3670)

Be sure to include your name. In order to be eligible for the prize, KPU students should also include their student numbers. Winners names will be posted on the Problem of the Week web page. You can have the Problem of the Week emailed to you each week. Just go to the website and sign up.

Web site: <http://www.kpu.ca/mathematics-problem-week> .