

# Mathematics Problem of the Week

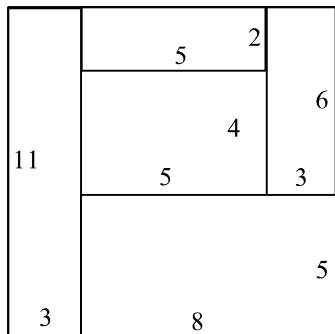
## Problem number 234

Posted Monday September 22<sup>th</sup> 2014

Submit by noon, Monday September 29<sup>th</sup>, 2014

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**Find a way to divide up an  $11 \times 11$  square into five rectangles such that the five lengths and five widths are all different and all integers.**



This example does not work because, while it consists of 5 rectangles, the numbers 3 and 5 are both used more than once.

**Can you find more than one way to complete this task?**