



UNIVERSITY OF WISCONSIN
PLATTEVILLE
DEPARTMENT OF MATHEMATICS

PROBLEM OF THE WEEK #6
(Spring 2017)

In how many ways can a rectangle 2 units wide and 8 units high be tiled with Tetris blocks?
Extra credit: Let n be an even integer. In how many ways can a rectangle 2 units wide and n units high be tiled with Tetris blocks?

[Please fully explain your answer.]

Solutions should be submitted to Cinda Furry, in Gardner Hall 435, by 4:00 P.M. on Wednesday, March 8, 2017.

Every week, the best solution submitted earns a \$10 Platteville gift certificate; the top scorer each semester also wins a cash award. Good luck!

You can always see the Problem of the Week (and complete rules) online at:

<http://uwpmath.weebly.com/>