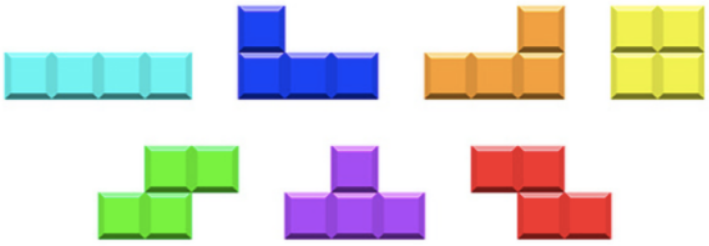
# AMath Tea Time — Puzzle #11

13 October 2015

## Problem

**Problem #1:** I have seven of each of the seven types of tetrominoes below. Can I rearrange them to make a $28 \times 7$ rectangle? (Note that a standard tetris playfield is $20 \times 10$.)

**Problem #2:** Using only the first tetromino in the second row, what is the maximum number of this tetromino that you can place on an $8 \times 8$ board without overlapping? (This piece is called the $S$ a.k.a. *inverse skew* a.k.a. *right snake* tetromino.)



## Hints

*If you have any puzzles to share then send them my way at* `cswiercz@uw.edu`*!*