

## Problem of the Week #13 Ripped from the headlines

Who doesn't enjoy a game of Cat Scrabble? Who doesn't recognize a rhetorical question?

The only tiles in the game are the letters E, M, O, and W, all with equal frequencies. We will assume an infinite number of each type.

Tom is starting a game of Cat Scrabble, and so he draws seven tiles. What is the probability that he can form the word MEOW?



Solutions may be dropped off at Dr. Koch's office (Buttrick 329) or e-mailed to [POTW headquarters](#) by Friday, April 19 at noon.

