

Math Challenge Problem

for early April, 2014

Chests of Logic



You enter a room to find three large chests. A wizard tells you that one chest is empty, one is filled with treasure, and one has a deadly, mathematician-eating snake inside that will surely devour you if you open that chest. You notice that each chest has an inscription. You know that the inscription on the treasure chest is true and the inscription on the snake chest is false (the remaining chest's inscription could be true or false). The inscriptions read:

1. Chest 3 is empty.
2. The snake is in chest 1.
3. This chest is empty.

The Challenge: Which chest contains the treasure, and which chest contains the snake?

Submit solutions to Ross 2239G or to oscar.levin@unco.edu by **Friday, April 18**.

WIN PRIZES!

A winner will be randomly selected from all correct answers received for each challenge problem to receive a fun math prize of his or her choice. Prizes include funky Rubik's style cubes, math puzzle books, math games, even a math coloring book. So submit your answer TODAY!