

I U P U I  
MATH CLUB TEASER #51

October 29, 2010  
(due November 5, 2010)

At the Lax Penitentiary Peter idles the time playing with a regular, six-sided die. He tosses the die until the sum of points is larger than 12; then stops and repeats the game.

Clearly, the lowest total he can get is 13, and the largest is 18. Of all the possible totals that can come up, which is the most likely?

The IUPUI Math Club invites everybody to submit solutions to its weekly recreational mathematics problem. Interested individuals and teams of up to four participants must submit a cover sheet (available at [jagmath.usg.iupui.edu](http://jagmath.usg.iupui.edu)) together with their written solution. At the end of the semester, every IUPUI student that sent a correct solution will receive a certificate of merit. Prizes will be distributed among the IUPUI undergraduate teams that submit the most correct solutions.

Solutions are due one week after each problem is posted, and should be faxed to (317) 274-3460, dropped off in person at LD 270, or sent by campus or U.S. mail to:

**Math Club Teaser**  
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