Good job Mission, we performed well on this CaML. A reassuring piece of news given the results of the last CaML!

****

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Grade | Average Score | Participants | Total Points | Cumulative Points |
| Freshmen | 3.61 | 18 | 65 | 115 |
| Sophomores | 3.58 | 45 | 161 | 247 |
| Juniors | 3.33 | 36 | 120 | 196 |
| Seniors | 3.88 | 16 | 62 | 116 |
| Overall | 3.59 | 114 | 409 | 677 |

Too few freshmen and seniors taking the CaML :( Overall, much higher averages on this CaML, with the sole exception of the juniors, who had, on average, scored above the overall average on the first CaML with a 3.45 average. Curious.

****

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Grade | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
| Freshmen | 0% | 5% | 22% | 22% | 11% | 33% | 5% |
| Sophomores | 2% | 4% | 24% | 16% | 18% | 27% | 9% |
| Juniors | 3% | 6% | 28% | 8% | 25% | 19% | 8% |
| Seniors | 0% | 13% | 19% | 13% | 19% | 0% | 38% |
| Overall | 2% | 6% | 25% | 14% | 19% | 22% | 12% |

Interesting gap between the scores of 4 and 6 in the senior distribution. In general, there seems to be an especially pronounced disparity between those with significant competition math experience, and those without it.

****

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Grade | #1 | #2 | #3 | #4 | #5 | #6 |
| Freshmen | 83% | 100% | 61% | 67% | 39% | 11% |
| Sophomores | 60% | 98% | 76% | 69% | 47% | 11% |
| Juniors | 69% | 97% | 63% | 51% | 51% | 11% |
| Seniors | 63% | 100% | 75% | 50% | 56% | 44% |
| Overall | 67% | 98% | 69% | 61% | 48% | 16% |

Good job seniors.

****

Congratulations to the following high scorers:

Freshmen (5+): **Tiancheng Qin (6)**, Andrew Chen (5), Jamin Chen (5), Srinath Goli (5), Austin Wu (5), Brian Xie (5), Ryan Yang (5)

Sophomores (5+): **Max Feng (6), Alvin Kao (6), Jerome Sun (6), Andrew Zhou (6)**, Yash Bisen (5), Alex Dai (5), Derek Feng (5), Hemang Jangle (5), Kelvin Lu (5), Arvindh Natarajan (5), Yingchong Qiu (5), Nick Wu (5), Nancy Xu (5), Brian Zhao (5), Alex Dai (5), Aurick Zhou (5)

Juniors (5+): **Lewis Chen (6), Aaron Lin (6), Brijen Thananjeyan (6)**, Krishna Bharathala (5), Feiyao Li (5), Priyanka Mahapatra (5), Charlie Tong (5), Jerry Wu (5), Nathan Wu (5), Patrick Zeng (5)

Seniors (6, no 5s): **Cong Chen, Kevin Chen, Donghyun Choi, Phillip Hui, Rebecca Wang, Jeffrey Yuan**

****

Here are the correct answers and the most common missed answers. Correct answers in bold.

#1: **37 (74)**, 3 (18)  
#2: **12 (112)**, 4 (1), 60 (1)  
#3: **8 (79)**, 3 (7)  
#4: **(2,3,6), (2,4,4), (3,3,3) [69]**, (2,4,4), (3,3,3) [11]  
#5: **100 (55)**, 99 (5)  
#6: **4026 (18)**, 4024 (18)

****

We shall analyze two phenomena: first off the presence or absence of a space between the words hot and dogs. In particular, for question 2, there were 21 people who wrote "hot dogs" in their answer, while 9 chose the spelling "hotdogs." In case you were curious, the first two pages of a Google search for "hotdogs" show almost exclusively results with "hot dogs."

The second phenomenon is the crossing of 7s and Zs. Most people, by far, do not engage in this practice, but we have found 8 instances of 7 slashing and 2 instances of Z slashing. We analyzed the headers at the top of the CaMLs for Z slashing, since no answers contained Zs.

****

We currently have two participants in the contest: Alex Dai with 2.4741 + 4.6111 = 7.0852 points and newcomer Kevin Zeng with 0 + 3.1825 = 3.1825 points. The maximum possible score so far is 12.

****

The second **Mandelbrot** will be open to math club members on Tuesday, December 4th at lunch in C-5.  
The next **CaML** will be on Tuesday, November 13th.  
The **MSJHSSBMTTPSTMT** will be held from Monday, December 10th to Wednesday, December 19th, and awards will be on Thursday, December 20th. Please see the flyer next to this newsletter for more information.

(okay fine Errata)

It was actually sophomore day when the first CaML was administered. Please disregard all the analysis in the offending paragraph.

-

Thanks to Lewis Chen again for the statistics. Remember that you can contact either Lewis or me if you'd like to request even more stats.

Also, no 3D pie charts this time, sorry.

Until next time,  
Jeffrey Yuan

(That's right, I used Wingdings. What are you going to do about it?)