

MOAA 2018: Results

On October 6, 2018, a total of $n = 137$ individual competitors representing $m = 23$ different teams competed at the 2018 Math Open at Andover. The winners of the competition are enumerated below.

1 Individual Winners

1.1 Top 10 Individuals

Individual ties were broken lexicographically by most advanced problems solved (highest question #).

| Place | Name | Team | Grade Level | Score |
|-------|---------------|--------------------------------|-------------|-------|
| 1 | Max Xu | Westford Gold | 8 | 16 |
| 2 | Jeff Lin | Clarke Irrationals | 8 | 15 |
| 3 | Andrew Zhao | Dunan League | 7 | 14 |
| 4 | Alan Bu | CCC Math | 7 | 14 |
| 5 | Kira Tang | Clarke Irrationals | 8 | 14 |
| 6 | Evan Huang | Pike/Hill | 8 | 13 |
| 7 | Aidan Duncan | Dunan League | 7 | 13 |
| 8 | Zachary Perry | Dunan League | 7 | 13 |
| 9 | Vincent Hu | Virginia International Academy | 8 | 12 |
| 10 | Patrick Chen | Pike/Hill | 8 | 12 |

1.2 Honorable Mentions

We awarded honorable mentions to the top four contestants below the eighth grade who did not otherwise qualify for the top ten.

| Place | Name | Team | Grade Level | Score |
|-------|------------|---------------|-------------|-------|
| 1 | Derek Guo | Dunan League | 7 | 12 |
| 2 | Evan Ning | TI-84 | 7 | 10 |
| 3 | Jeffery Xu | Starfish | 5 | 10 |
| 4 | Ada Tsui | Westford Gold | 7 | 10 |

2 Team Winners

The formula we used to compute team scores was $(\text{Team Score}) = 10 \cdot \sum (\text{Individual Scores}) + (\text{Team Round Score})$.

| Place | Team | Score |
|-------|--------------------|-------|
| 1 | Dunan League | 1280 |
| 2 | Clarke Irrationals | 1120 |
| 3 | CCC Math | 1080 |
| 4 | Westford Gold | 1010 |
| 5 | Pike/Hill | 1000 |

3 Gunga Bowl Winners

The Gunga Bowl was not incorporated in calculations of team standings.

3.1 Estimation Contest

| Problem # | Most Accurate Team | Guessed Answer | Correct Answer |
|-----------|---------------------------------|----------------|----------------|
| 34 | Awesome Asians | 715,827,883 | 670,617,219 |
| 35 | Pike/Hill | 1,000,000 | 4,090,111,853 |
| 36 | Pike/Hill, Dunan League, MOAA 1 | N/A | N/A |

3.2 Overall Standings

| Place | Team | Score |
|-------|--------------------|-------|
| 1 | Clarke Irrationals | 199 |
| 2 | Westford Gold | 189 |
| 3 | Pike/Hill | 164 |
| 4 | Dunan League | 153 |
| 5 | ACM | 149 |

We congratulate each of the $n = 137$ competitors and $m = 23$ teams that joined us for the 2018 Math Open at Andover.