| **Event** | **Type** | **Notes** |
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| **Individual Event 1**40 Questions(40 possible points) | **9:00 – 9:15 a.m.**  **Mental Math** | -No scratch paper allowed. No writing on the paper, in the air, or on the desk. -Violations will result in a student score of zero. |
| **Individual Event 2**35 Multiple-Choice Questions 5 Short Response Question(40 possible points) | **9:20 – 10:05 a.m.****Written**The 5 short response questions are used to break a tie for individual placements.  | -Scratch paper is allowed. -Problems will be (IAR) format.-Students in Division A will write on the test. All other divisions will circle answers on a TEST answer bubble sheet.-Some items will have more than 1 answer. **Short response items must be labeled.** |
| **BREAK 10:10 – 10:25 a.m. Snacks will be provided.** |
| **Team Event 1**10 Problems worth 5 points (50 possible points) | **10:30 – 11:10 a.m.****Problem Solving Questions** | -Scratch paper is allowed. -Algebraic Thinking/Math Olympiad type questions -Students will work together as a group. A team captain must be designated before the event. Team discussion is required and **only** the captain will fill in the answer sheet.**Each team submits one answer sheet.** |
| **Team Event 2**3 Sections worth 10 points -KenKen-Logic-Visual Patterns(30 possible points) | **11:15 – 11:40 a.m.****KenKen - Medium Level**DIVISION A 4 x 4 using + and -DIVISION B 5 x 5 using + - x ÷DIVISION C 6 x 6 using + - x ÷DIVISION D 7 x 7 using + - x ÷ **Logic Puzzle - Moderate Level**DIVISION A 2 attributes DIVISION B 3 by 4 puzzleDIVISION C 3 by 5 puzzle DIVISION D 4 by 4 puzzle **Visual Pattern Problems**<http://www.visualpatterns.org/>DIVISION A How many in the 6thDIVISION B How many in the 10thDIVISION C How many in the 43rd DIVISION D Write the equation | -Scratch paper is allowed. -Students will work together as a group, Discussion required! A team captain must be designated before the event. **Partial points will not be awarded.** -**KenKen** worth 10 points -**Logic puzzle** worth 10 points -**Visual pattern** 5 problems- 2 points each for a total of 10 points **Each team submits one answer sheet.**First, the logic question will be used to break a tie for placement, second, KenKen. |