Logic Grid Puzzles

Description: The purpose of this event is for teams to use reasoning to solve logic grid puzzles.

Number of Participants: 2

Approximate Time: 20 minutes (5 minutes for instructions, 15 minutes for play).

The Competition:
1. Each school team will have two participants. Each team will be given a variety of puzzles to choose from. Sizes will include 3x4, 3x5, and 4x4 grids.
2. Participants may look through the puzzles and choose the one they would like to work on. Participants may change puzzles at any time but can only work on one puzzle at a time. They may also return to a puzzle that they have started previously.
3. For each puzzle completed correctly, points will be awarded as follows:
    3x4 Puzzles = 10 points
    3x5 Puzzles = 20 points
    4x4 Puzzles = 30 points
4. Double the number of "hints or clues" used on any given puzzle will be subtracted as a penalty from the overall score. *For example, if a team completed at 3x4 puzzle, but were given 3 clues, they would score 10 points for completing the puzzle, but 6 penalty points would be subtracted for a final score of 4.*
5. If a team uses more than 3 hints on any puzzle, that puzzle will be disqualified and receive a score of zero. Teams may not redo disqualified puzzles for points.

Scoring:
>   The team that scores the most points using any combination of puzzles will be declared the winner.

Materials Supplied by the District:

*   Judges
*   Computer/ Ipad
*   Logic grid puzzles
*   Scratch paper

Resources for Participants:

Printable Puzzles: https://www.brainzilla.com/logic/logic-grid/printable/
Online Logic Grid Puzzles: https://logic.puzzlebaron.com/