



Math Quiz Bowl –Event Description

Team Formation

Math quiz bowl teams will consist of three members. The team determines the division of responsibilities.

Materials

- The use of standard scientific calculators will be permitted. However, all teams will be provided with a calculator on the day of the competition. No outside calculators will be allowed.
- No cell phones or electronic devices will be permitted on the competition floor or in the audience. Possession of a cell phone or electronic device may result in disqualification.
- Teams will be provided with answer sheets and scrap paper for calculations. Teams are only allowed to bring pencils or pens.
- Teams will be provided standard math formula sheets for reference purposes.

Event Procedures

- All teams will compete at the same time and will have an equal opportunity to answer all questions.
- The moderator will read the question. After the question is read, teams will have a designated amount of time to answer each question. Times will vary depending on the difficulty of the question and the amount of calculation required.
- Questions for the quiz bowl will be drawn from the subjects of pre-algebra and geometry. Questions will generally be drawn *primarily* from the subject matter concepts outlined for the competition. **However, some questions may drawn be from outside of the subject matter concepts. These questions will, however, conform to the broad subject areas described on the content outline.**
- Questions will be classified into three difficulty levels, which will have a corresponding time range for answering questions and a corresponding point value. Incorrect answers or unanswered questions are awarded 0 points.

Question Level	Difficulty	Time	Points
I	Least Difficult	½ to 1 minute	2.5
II	Moderate Difficulty	1 – 2 minutes	5
III	Most Difficult	2 to 3 minutes	10

- Questions will be in either multiple choice or open response format.
- Questions will be projected on a screen as well as read by the moderator.
- When a question is read, a timekeeper will start the time. When the time limit is reached, the timekeeper will announce that time is up. The timekeeper will

announce when 15 seconds remain verbally, with a chime, an audible tone, or by ringing a bell.

- When time is announced, team members are to immediately place their writing utensils down. Failure to place utensils down will result in response being scored a 0.
- Team responses must be written on a designated device or form, which will be either a white board or answer sheet.
- Each team will be assigned a judge that will record responses to each question and submit team scores to the scorekeeper after each question.
- A maximum of 25 questions will be asked. However, time will be limited to 70 minutes. In the event that the maximum time for the event is reached, the competition will conclude and team scores at that time will become final. If the maximum time limit is reached while the moderator is reading a question or while teams are in the process of answering a question, teams will be allowed to finish answering. The responses will be scored, and the event will conclude after scores for that question are submitted.
- The team with the highest cumulative point total will be declared the winner of the competition.

Tie Breaker

In the event of a tie for first place, those teams will participate in an elimination-style tie breaker.

- The moderator will provide one question at a time. Any team that does not get the question right is eliminated. If no teams get the answer right, then another question will be provided. The questions will continue to be provided until only one team is left and that team is declared the winner.