



Texas Charter School Academic & Athletic League

Math Olympiad

2015-2016

I. Round(s) & Division(s)

- **There will be two (2) rounds for the TCSAAL Math Olympiad Competition: i) Regional Qualifier and ii) State Competition.** In order to compete in the *ii) State Competition*, teams must qualify via their respective *i) Regional Qualifier*.
- **There will be two (2) divisions for the TCSAAL Math Olympiad Competition: i) 6th through 8th Grade and ii) 9th through 12th Grade.** The two divisions are based on age and grade and eligibility is determined by this document as well as this year's *Handbook*.
- **State Qualifiers: The top 4 teams from each qualifier will advance to State; however, depending on the level of participation, more teams may be invited.**

II. Fees

- **The cost per team entry for the 2015-16 TCSAAL Math Olympiad Season is \$150.**
- **Fees include both regional and state costs.**

III. Format

A. Entries

1. For the TCSAAL Math Olympiad Competition Season, teams must submit a team roster form prior to the team's respective *i) Regional Qualifier*.
2. For the TCSAAL Math Olympiad Competition Season, there will be a maximum of two (2) competitions for each region: the *i) Regional Qualifier* competition and the *ii) State Competition*.
 - i. The *i) Regional Qualifier* competition will consist of two (2) rounds (detailed below): the *1. Written Exam* round and the *2. Team Response* round.
 - ii. The *ii) State Competition* will consist of three (3) rounds (detailed below): the *1. Written Exam* round, the *2. Team Response* round, and the *3. Lightning Round*.
3. Schools have no requirements in regards to a maximum number of teams, but are required to adhere to a maximum participation of four (4) competing individual students per team.

4. Team member changes may be made at any time during the Math Olympiad competition season, but cannot be made during a competition.

B. Competition Rounds

1. Written Exam

- a. Students will individually answer 45 multiple-choice questions during a 45-minute period, with each correct answer being worth 1 point.
- b. The individual scores will be combined to create a team score.
- c. There is a maximum total of 180 points from the *1. Written Exam* round.

2. Team Response

- a. Each team will work together to answer a series of thirty (30) questions as a group.
- b. The questions will be read aloud and/or displayed.
- c. The team will have thirty (30) seconds to answer the question by marking their answer on a given answer sheet.
- d. When the thirty (30) seconds has ended, the team(s) will show their answer to the judge. Each correct answer will be worth 5 points.
- e. There is a maximum total of 150 points from the *2. Team Response* round.
- f. For all *Regional Qualifier* competitions, this will conclude the competition. Following the *2. Team Response* round, teams' aggregate scores will be calculated, combining the team scores from the *1. Written Exam* round and the *2. Team Response* round.
- g. For the *State Competition*, the competition will continue, moving on to the following round, *3. Lightning Round* (see below for details).

3. Lightning Round (State Competition Only)

- a. The *3. Lightning Round* will consist of four (4) teams with the highest cumulative scores after combining totals from the *1. Written Exam* round and the *2. Team Response* round.
- b. A series of ten (10) questions will be read aloud and/or displayed.
- c. The first eight (8) questions (#1-#8) will be answered by a single teammate from each team. Each team will send one representative to compete against the other selected participants of the other teams (four participants in total). Each team representative will be chosen from each team via random draw. Each Team member will participate in at least 2 questions.
- d. After going through the first eight (8) questions, the last two (2) questions will be completed by one (1) team representative, to be chosen by each team.
- e. The teams will be given one (1) minute to signal to the judge(s) that they are prepared to answer the question.

Depending on facilities, signaling methods may include, but is not limited to raising placards, ringing a bell, etc. Prior to signaling, however, the team must place their pencil down on their table or desk.

- f. The remaining team members should not converse amongst themselves during this time. Conversations or picking up pencils may result in disqualification.
- g. Whichever occurs first, i) the end of the one (1) minute time limit or ii) when the last of the team representatives to signal the judge, will end the answer period for the preceding question.
- h. The order in which the team representative(s) signaled the judge(s) will be recorded, and the team representative(s) will have their answer(s) checked in the corresponding order.
- i. The first correct answer will result in ten (10) points being awarded to the team who have provided the correct answer.
- j. If no team has answered the question correctly, there will be zero (0) points awarded for the corresponding question.
- k. There is a maximum total of one hundred (100) points from the 3. *Lightning Round*.
- l. Following the 3. *Lightning Round*, teams' aggregate scores will be calculated, this time combining the team scores from the 1. *Written Exam* round, the 2. *Team Response* round, and the 3. *Lightning Round*.
- m. These combined scores will be used to determine ranking.
- n. In the event of a tie for ranking (1st, 2nd, or 3rd place), the 3. *Lightning Round* will continue for tied teams in a five (5) question round with the highest earning team being awarded the ranking. Each team member will answer one of the first 4 questions and then a member of the teams choosing will answer the 5th question.

C. Awards

- 1st, 2nd, 3rd and 4th place awards will be provided to the four (4) teams from each region who have earned the highest aggregate scores, having combined subtotals from the 1. *Written Exam* round, and the 2. *Team Response* round. The top 4 teams from each Regional will be invited to State.
- In the event of a tie for ranking (1st, 2nd, 3rd or 4th), the tied teams will participate in a five (5) question Lightning round with the highest earning team being awarded the ranking. Each team member will answer one of the first 4 questions and then a member of the teams choosing will answer the 5th question. In some cases this might be skipped and the tied teams may all be invited to State if space allows.
- The top 3 teams at state will earn team trophies and individual medals. And fourth place will earn team certificates.