



# **Texas Charter School Academic & Athletic League**

## **Team Math Competition**

**2023-2024**

### **I. Round(s) & Division(s)**

There will be two (2) divisions for the TCSAAL Team Math Competition: i) 6<sup>th</sup> through 8<sup>th</sup> Grade and ii) 9<sup>th</sup> through 12<sup>th</sup> Grade. The two divisions are based on age and grade and eligibility as determined by this document as well as this year's *Handbook*. Each team should be comprised of a maximum participation of four (4) competing individual students per team.

- **Regional Competition**

- There will be two (2) rounds for the TCSAAL Regional Team Math competition. These will include the following: i) *Written Exam Round* and ii) *Team Response Round*.
- In order to compete in the *State Competition*, teams must qualify via their respective *Regional competition*.

- **State Qualifiers:** The top 4 teams from each qualifier will advance to State; however, depending on the level of participation and potential ties at regionals, more teams may be invited.

- **State Competition**

- There will be three (3) rounds for the TCSAAL State Team Math competition. These will include the following: i) *Written Exam Round*, ii) *Team Response Round*, and iii) *Lightning Round*.

### **II. Fees**

- The cost per team entry for the TCSAAL Team Math Competition Season is \$150.
- Fees include both regional and state costs.

### **III. Format**

#### **A. Entries**

1. For the TCSAAL Math Team Math Competition Season, teams must submit a team roster form prior to the team's respective i) *Regional Competition*.
2. For the TCSAAL Team Math Competition Season, there will be a maximum of two (2) competitions for each region: the i) *Regional Competition* and the ii) *State Competition*.
  - i. The i) *Regional Competition* will consist of two (2) rounds (detailed below): the 1. *Written Exam Round* and the 2. *Team Response Round*.

- ii. The *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 regard 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 between Regional and State tournament dates of the Team Math Competition Season. Member changes cannot be made during a tournament event.

## **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.
- d. Calculators CANNOT be used during the *1. Written Exam* round.

### **2. Team Response**

- a. Each team will work together to answer a series of twenty (20) 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 have 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 100 points from the *2. Team Response Round*.
- f. For all *Regional 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).
- h. Calculators CANNOT be used during the *2. Team Response* round.

### **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 have one participant randomly selected by tournament administration to compete against the other selected participants of the other teams (four participants in total).
  - 1. Note that each team participant will be selected twice so that each team member will be expected to answer 2 questions.
- d. After going through the first eight (8) questions:
  - 1. Only teams still in the running for first through third will stay in the competition for the final two questions

(meaning 20 points could move them up or down a position). In the instance where 20 points will not change their position will be removed from the final 2 questions. All teams that can still move up or down in the top 3 positions will stay in. It could be all 4 teams; however, it will likely not be. These final two questions will serve more like a mini tie-breaker round. Staff will clarify before moving on to the final 2 questions.

2. The last two (2) questions (Question #9 & Question #10) will be completed by one (1) team representative, to be chosen by each team. The same individual will answer both questions.

e. The teams will be given a maximum of 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 are 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*) the last of the team representatives signals 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 the fastest.

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 (1<sup>st</sup>, 2<sup>nd</sup>, or 3<sup>rd</sup> place), the 3. *Lightning Round* will continue for tied teams in a one (1) question sudden death round with the highest earning team being awarded the ranking.

1. Tie-breaker question(s) will be completed by the same team representative chosen to answer Question #9 & Question #10. The team representative that is chosen by the team in the end would be responsible for Question #9, Question #10, and any potential tie-breaker questions (if needed).

o. Calculators CANNOT be used during the 3. *Lightning Round*.

### C. Awards

- At the *Regional Competition*, 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> place teams will be issued certificate awards for the teams who have earned the highest aggregate scores, having combined subtotals from the 1. *Written Exam*

*Round* and the 2. *Team Response Round*. These four (4) teams will also advance to the *State Competition*.

- At the *State Competition*, 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> place awards will be provided to the four (4) teams from who have earned the highest aggregate scores, having combined subtotals from the 1. *Written Exam Round*, the 2. *Team Response Round*, and the 3. *Lightning Round (State Competition Only)*. The top three (3) teams who have earned the highest aggregate scores will be given trophies for the school and medals for each of the team participants. The fourth (4<sup>th</sup>) place team amongst the aggregate scores will receive certificate awards for each of the team participants.

In the event of a tie for ranking (1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> or 4<sup>th</sup>), the 3. *Lightning Round* will continue for tied teams in a one (1) question sudden death round with the highest earning team being awarded the ranking.