Rules and General Information about
2023 FORT HAYS STATE MATH RELAYS

1. There will be six 20-minute events in the relays, at grade levels 9, 10, 11, and 12, with both individual and team participation, with the exception that the Trigonometry event is offered only at 11th and 12th grade levels. The events and starting times are:

   1) Using Number Sense   9:30 a.m.
   2) Trigonometry   10:00 a.m.
   3) Algebraic Manipulations   10:30 a.m.
   4) Informal Geometry, Measurement   11:00 a.m.
   5) Applications of Algebra, Arithmetic   11:30 a.m.
   6) Calculations *with* Calculators   12:00 p.m.

2. **In an event,** a school may enter a ***maximum of SIX students*** competing as ***individuals*** and a ***maximum of two teams***. In an event, each team must compete in a different grade level. **Each participant** MUST be entered in a **minimum of FOUR events**.

3. No student may participate in an event as both an individual and a team member. Teams consist of three students entered as a team. Individuals compete against individuals and teams against teams.

4. Only students enrolled in a state accredited high school and classified as 9th through 12th grades are eligible to participate. Students may enter at or above, but not below, their current grade level, either as an individual or as team members. Students may enter different events at their grade level or above their grade level.

5. Teams <u>must</u> consist of three students entered as a team. Team members will work on the test, and mark the answer card, in succession, somewhat along the lines of the track relays. Each team should decide in advance who will work on the test first, second, and last. The first two members will have 6.5 minutes each, with the remainder of the time going to the last member. Students will be allowed to make notes on the test to tell successive team members which problems have been done, and the method for doing this should be determined in advance. The team score will be the number of correct answers properly marked on the answer card, <u>corrected for guessing</u> (see Rule #15).

6. Students must be registered, and accompanied, by a regular faculty member or administrator of the high school in which they are enrolled. The sponsor need not be the person submitting the entries and different people may enter different students. Students registered by a school must be enrolled in that high school. Registration fee is $5.00 per student, payable to FHSU Math Relays.

7. Calculators may be used in all events <u>except Event #1 – Using Number Sense and Event #3 – Algebraic Manipulations</u>. Calculators must be hand-held and battery operated.

8. Pencils will be provided for marking on answer cards.

9. Registration will be held at FHSU Memorial Union in the Sunset Lounge from 8:00 a.m. to 9:00 a.m. *Only faculty sponsors are to stop at the table and pick up the packet of registration materials.* Students will be directed to move to one of the designated areas and wait for their sponsor.
   Due to parking congestion, after delivering students to the Memorial Union, please inform drivers to park buses and school marked vehicles at Gross Memorial Coliseum. There will be an officer at the Memorial Union assisting in the unloading and loading of students.

10. The scores for each event will be posted throughout the day. The last relay event ends at 12:20 p.m. As scores will be posted throughout the day, there will be no awards ceremony announcing winners or school trophy presentations. Awards should be available to pick up by 1:15 p.m. in the Sunset Lounge. We respectfully request, before leaving Hays, schools return to the FHSU campus to pick up your medals/plaques. Medals will be awarded to first, second and third place finishers in each event, at each grade level, and as an individual or as a team member. All participants receive a certificate. Certificates will be mailed to the schools later.   After picking up their awards in the Sunset Lounge, schools are welcome, and encouraged, to take pictures with their winning plaques.

11. Overall school awards will be based on the total points compiled by entrants (both individual and team) from the school, with 9 points awarded for each first place finish, 7 points for each second place finish, 5 points for each third place finish, 3 points for each fourth place finish, 2 points for each fifth place finish, and 1 point for each sixth place finish. In the event of ties, the points are split. For the purpose of determining school awards only, schools will be considered in <u>three</u> size categories. Schools in KSHSAA divisions 1A being one group; 2A, and 3A being the second group; and 4A, 5A, 6A the third group.

12. Entries are due in the FHSU Mathematics Department, 600 Park St., Hays, Kansas 67601 **by 4:00 p.m., October 16, 2023**. **Entries will be limited to the first 700 students entered. We will strictly adhere to a first received, first entered policy.** Checks should be enclosed with the entry forms and made payable to FHSU Math Relays. **<u>Entries are not official until the correct registration fee ($5.00 per student) has been received</u>**. Since the registration fee is used to cover the cost of printing well in advance, fees will not be returned for cancellations.

13. If a registered student cannot attend, an unregistered student may replace the registered student (as long as the replacement is at or below the registered student's grade level) and must compete in <u>exactly</u> the same events. Notification of substitutions made by 3:00 p.m. on Wednesday, November 8 will expedite registration. All substitutions must be made with Fort Hays Mathematics Department no later than 9:00 a.m. on the day of the Relays. **To make <u>early</u> substitutions, call (785) 628-4240.**

14. Tests will be computer scored. Entrants will indicate their answers on answer cards. Cards marked incorrectly or cards damaged so that they cannot be machine scored will be disqualified. (E.g., Dark marks should fill appropriate spaces, errors must be erased completely, only one answer may be given per question, etc.) Cards used in incorrect events will also be disqualified, as event numbers will be indicated on the cards. Please remind your students to not fold, tear, bend or mangle their cards.

15. A penalty for guessing will be applied to each individual and team score. The final score for an individual or team in an event will be calculated as follows:

$$\text{Score} = \text{number correct} - \frac{1}{4} \times \text{number wrong}.$$

If two or more students end up with identical final scores, the computer program selects the student with fewer incorrect answers as the winner.

16. <u>No food or drink is allowed to be brought into the Memorial Union</u>. Refreshments or meals can be purchased in the Union. If you prefer to bring your own lunch, please eat outdoors or in your vehicle. If you purchase from local food establishments, please eat your meal there rather than bringing it back to the Union.

17. There is no dress code enforced at these events, but it is recommended that students dress tastefully in semi-business attire. Jeans, shorts, tank tops, caps, t-shirts, etc. are discouraged.