

Rules and General Information about
2024 FORT HAYS STATE MATH RELAYS

1. There will be six 20-minute events held at relays, with individual and team participation happening synchronously. Each grade level may register for each event, except Trigonometry, which is offered only at 11th and 12th grade levels. The events and starting times are:

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| 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 <i>with</i> Calculators | 12:00 p.m. |
2. Entries are due to the FHSU Mathematics Department **by 4:00 p.m., October 21, 2024**. **Entries will be limited to the first 700 students entered. We will strictly adhere to a first-received, first-entered policy.** Checks should be payable to FHSU Math Relays and mailed to FHSU Mathematics: Attn. Amy Rohr, 600 Park St., Hays, Kansas 67601. **Entries are not official until the correct registration fee (\$5.00 per student) has been received.** Since the registration fee covers the cost of printing well in advance, fees will **not** be returned for cancellations.
3. Only students enrolled in a state-accredited high school classified as 9th through 12th grade are eligible to participate.
4. Students must be registered and accompanied by a regular faculty member or administrator of the high school they are enrolled in. The sponsor need not be the person submitting the entries. Students registered by a school must be enrolled in that high school. The registration fee is \$5.00 per student, payable to FHSU Math Relays.
5. In an event, a school may enter a **maximum of SIX students** competing as **individuals** and a **maximum of two teams**, each team representing separate grade levels.
6. **Each participant** MUST be entered in a **minimum of FOUR events**.
7. Students may enter any event at or above their current grade level, individually or as team members.
8. No student may participate in an event as both an individual and a team member. Individuals compete against individuals and teams against teams.
9. Teams **must** consist of three students entered as a team. Team members will work on the test, and mark the answer card, in succession. 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, **corrected for guessing** (see Rule #12).
10. Calculators may be used in all events **except Event #1 – Using Number Sense and Event #3 – Algebraic Manipulations**. Calculators must be hand-held and battery-operated. Pencils will be provided for marking on answer cards
11. 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 not to fold, tear, bend, or mangle their cards.

12. 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.

13. 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 three size categories. Schools in KSHSAA divisions 1A as one group; 2A, and 3A as the second group; and 4A, 5A, 6A as the third group.
14. 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 pickup by 1:15 p.m. in the Sunset Lounge. We respectfully request that schools return to the FHSU campus to pick up your medals/plaques before leaving Hays. 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.
15. 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. **Busses and school vehicles MUST park in the Gross Memorial Coliseum parking lot.** Please inform your school driver that buses and school vehicles must park in Gross Memorial Parking Lot. School vehicles and buses should approach the Memorial Union from the south on College Drive. Student drop-off is on the EAST side of College Drive, so southbound traffic on College Drive is not interrupted. After letting off students, busses and school vehicles should continue back to Gross Memorial parking lot via 8th street (U.S. Hwy 40) to park. A campus map is provided on the Math Relays website. Campus Security may be directing traffic and will answer parking questions on the day of the relays.
16. 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 exactly the same events. Notification of substitutions made by 3:00 p.m. on Wednesday, November 13th, 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 early substitutions, call (785) 628-4240.**
17. No food or drink is allowed to be brought into the Memorial Union. You may either depart from campus to enjoy dining at a local restaurant or choose from the many flavors available in our Tiger Alley Cafeteria, Starbucks, located on the main floor, or Hoagies, located on the lower level. If you prefer to bring your own lunch, please eat outdoors or in your vehicle.
18. Fort Hays State University is proud to be a tobacco-free campus. The FHSU policy prohibits the use of any tobacco products (any product that involves smoking, as well as smokeless tobacco products and vaping devices, including e-cigarettes) within all university buildings and on all university grounds.
19. 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.