

Froshmore Championships

Round Six

Officials Checklist and reminders:

- 1.) Review this checklist and reminders document and the rules flow chart. _____
- 2.) Pencils and fresh scratch paper for each participant _____
- 3.) Timer instructions _____
- 4.) Identify the head coach for each team. _____
- 5.) Identify the team captain. _____
- 6.) Review the pumpernickel rule _____

Accept only the answer to the bonus question that comes from the captain.

The captain may defer to another team member to give the answer to the bonus question.

If you want them to indicate a deferral in a specific way – tell them at the beginning of the match. “If you are going to defer on a bonus question, please do so by”

Coaches may use an ipad or tablet to keep score (I've sent out an excel score sheet) They may not use their ipad, phone or other technology to look up answers, send or received text messages or emails or to make calls during competition.

Before you begin, remind students that on a toss-up question they must buzz-in and be recognized before giving the answer and that they may NOT confer on a toss-up. You may only confer on a bonus question.”

When you read a toss-up question – identify the subject, then read the question.

If the team member buzzes-in before the question is completed and the answer is incorrect, say ‘incorrect, I will finish the question’ then finish reading the question.

If you have finished reading the question when the first team buzzes-in and gives an incorrect response say ‘incorrect,’ look at the second team call them by team name and say ‘_____ I have finished the question’

If the time has expired, their response should be to immediately buzz-in to be recognized. If there is still time (5 seconds for a regular question 15 on a math computation) they have the remaining time to buzz. If the toss-up question is not answered correctly by either team, give the correct answer. Do NOT read the bonus question, go on to the next toss-up. **If you need a replacement question for this subject, you may use the unused bonus.**

The first time you read a bonus question for each team say ‘Here is your bonus question, you do not need to buzz-in. Remember you may confer on this question, and I will take the answer from the team captain.’

There is NOT a penalty for buzzing during a bonus question.

When the time for conferring has expired (10 seconds – 15 on math or science computation) **call for the answer.** Say, ‘Captain?’ or ‘answer please’ (or something similar). If they do not give you an immediate answer say ‘time’ and give the correct answer.

There is no limit to the number of team members a team substitutes.

On a toss-up question, do not give the correct response until you have given both teams an opportunity to answer the question.

Leading articles such as "the," "an," and "a" are not required (e.g., Tale of Two Cities is an acceptable answer for The Tale of Two Cities). However, if an article is given, it must be the correct one.

Plural/Singular answers are acceptable unless otherwise delineated.

Last names are acceptable, except where there is more than one common person in the same field. Prompt for more information by saying – ‘more’ or ‘more specific’.

Questions requiring additional computation time (15 seconds) have computation in the subject line - MATH COMPUTATION: or SCIENCE COMPUTATION: or BONUS

COMPUTATION: (If it needs it and we forgot it, add it!)

Math or Science questions that do not require computation and receive regular question time (5 for toss-up and 10 for bonus) do not have computation in the subject line - MATH: or SCIENCE: or BONUS

Explain the addition of the word Computation to the timer and the team at the beginning of the tournament. After the first question containing COMPUTATION: You may choose to say only Computation if you wish.

Give your stall count before the game starts. A stall count is the amount of time allowed for the student to begin their answer once you've called on them. "My stall count is _ _ _." Fill in the blanks with your count. Do you count 1, 2, stall? 1, 2, 3, stall? Do you say stall on the upbeat of the 3rd second or the downbeat? My preference is you count 1(1001), 2(1002), 3(1003) with stall being called on the downbeat of 3. (Down beat being the end of the 1003 with 100stall. You do not have to say the 1000 or the second 1, 2 or 3 out loud. You do need to make some type of physical indication - head nod, hand count (like a basketball referee counting the backcourt) even a foot tap. But do something so the student can see the seconds slipping away. This also helps with consistency. Neither team can say the other team received more time before a stall was called. When an immediate answer is expected 1 second is adequate time to allow before a stall is called.

"Welcome to Round Six of the tournament. I am _____, your moderator. (if you have a judge, timer and scorekeeper, introduce them as well) Our two teams are _____ and _____. Head coaches, will you please stand. A protest may be lodged only by the head coach." (run a buzzer check) "Students, remember, you may not give an answer until you are recognized. If you do so, it will be ruled as an incorrect response, even if your answer is correct. Explain the timing for Math or Science Computation: (see instructions) Good sportsmanship is expected from **all** players, substitutes, coaches, spectators and parents. Except for using the excel spreadsheet to keep score, you may not use computers, smart phones, iPad, etc. during the competition. Turn off all and put away all electronics at this time. Remember a player will be removed for the remainder of the game if any device is found at the table. (pause) Are there any questions? Let's begin."

- _____ 1. FINE ARTS: **This composer emphasized rhythm instrumentation in his *Imaginary Landscape No.1*. This man used I * Ching Divination to randomly compose his *Music for Changes* and *Freeman Etudes*.** Who is this American composer, perhaps best known for composing 4 minutes and 33 seconds of silence?

ANSWER: (John) Cage

BONUS BONUS: What other 20th-century American composer wrote *Einstein on the Beach*?

ANSWER: (Phillip) Glass

- _____ 2. MATHEMATICS COMPUTATION: Two supplementary angles have measures of $2x + 7$ and $3x - 27$. What is the measure of the larger angle in degrees?

ANSWER: **93** (degrees)

BONUS BONUS COMPUTATION: Two parallel lines are cut by a transversal and the alternate exterior angles formed have the measures of $3x + 21$ and $7x - 11$. What is the measure, in degrees, of these angles?

ANSWER: **45** (degrees)

- _____ 3. SOCIAL STUDIES: **This man's second term broke a campaign promise to keep the nation out of war. This president screened the first motion picture at the White House, the pro-Klan film * *Birth of a Nation*.** This president won a Nobel Peace Prize for his role in founding the League of Nations. Who was this American president during World War 1?

ANSWER: (Woodrow) Wilson

BONUS BONUS: Woodrow Wilson's plan for postwar peace consisted of how many points?

ANSWER: **14**

- _____ 4. SCIENCE **This scientist developed a model of the atom that placed electrons in fixed orbits around the nucleus.*** His model was later replaced by quantum mechanical models but remains important in understanding atomic structure. Who is this Danish physicist who nearly immediately acknowledged that his model only really worked for hydrogen?

ANSWER: **Niels Bohr**

BONUS BONUS: Which part of the atom did Ernest Rutherford discover through his gold foil experiment?

ANSWER: **Nucleus**

- ____ 5. HUMANITIES: Professional wrestler Eldridge Coleman took his ring name from this man. This man hosted the *Hour of Decision* news program and openly opposed segregation at his * Southern Baptist Revivals. Who is this preacher, whose events were known as his "Crusades?"

ANSWER: (Billy) **Graham**

- BONUS BONUS: Graham's first crusade was held in what state where Martin Luther King Jr. delivered "The Other America" speech at Grosse Pointe? Billy Graham's crusade was held in Grand Rapids

ANSWER: **Michigan**

- ____ 6. POP/CE: President Biden issued 39 presidential pardons and more than 1,500 of these.* Both are acts of clemency, and the White House says it's the most issued in a single day. What is the term for a change in penalty that reduces a sentence totally or partially but doesn't remove civil disabilities related to the conviction?

ANSWER: **commutation**

- BONUS BONUS: President Biden had earlier in his term issued a full, complete, and unconditional pardon for the offense of simple possession of which drug?

ANSWER: **marijuana** (prompt on weed)

END OF FIRST QUARTER

*The score at the end of the first quarter is
Team one _____ Team two _____
Are there any questions?*

(pause and look at the coaches if there are no protests proceed)
"Coaches... you may substitute if you wish."

- ____ 7. MATHEMATICS: What is the slope of a vertical line?

ANSWER: **Undefined** [Do not accept Zero Slope]

- BONUS BONUS: What is the equation of a horizontal line through the point (5, 2)? [READ five comma two]

ANSWER: **y = 2** [must say "y = ", not just the number 2]

- ____ 8. SOCIAL STUDIES: A little girl counting flower petals is replaced by a countdown in an example of these things made to oppose Barry Goldwater. Another of these things for * Ronald Reagan was known as "Morning in America." Daisy Girl is an example of what short commercial in support of a candidate for America's highest elected office?

ANSWER: **Presidential Campaign** (Television) **Ads** [prompt on Political Ads or Campaign Ads; accept obvious equivalents for Ads]

- BONUS BONUS: The Daisy Girl ad was created to support the re-election of what Democrat, who defeated Barry Goldwater in the 1964 presidential election?

ANSWER: (Lyndon B.) **Johnson** [also accept LBJ]

- _____ 9. SCIENCE: This refractive index of air depends on the air density and thus varies with air temperature and pressure.* Such refraction can also raise or lower, or stretch or shorten, the images of distant objects without involving mirages. What is the name for this deviation of light?

ANSWER: Atmospheric Refraction

- BONUS BONUS: What law describes the relationship between the angle of incidence and the angle of refraction?

ANSWER: Snell's Law

- _____ 10. LITERATURE: Her Civil War-era book was the only novel she ever wrote. Her book won the National Book Award in 1936 and the Pulitzer Prize in 1937. Name the woman who wrote *Gone with the Wind*.

ANSWER: Margaret Mitchell

- BONUS BONUS: In which southern state is *Gone with the Wind* set?

ANSWER: Georgia

- _____ 11. MATHEMATICS COMPUTATION: Sam can paint a room in three hours. It takes Joe five hours to paint the same room. What is the number of hours, as a mixed number in lowest terms, for the two of them working together to paint the same room?

ANSWER: **1 7/8** (hours)

- BONUS BONUS COMPUTATION: A tank can empty in 15 minutes with one drain left open. If a second drain is opened, the tank empties in 6 minutes. How long would it take to empty if only the second drain is left open?

ANSWER: **Ten** (minutes)

- _____ 12. SOCIAL STUDIES: A dispute between this man and the Catholic church was the Kulturkampf. This man received the Ems Dispatch sparking the * Franco-Prussian War. The "Blood and Iron" speech was delivered by what Iron Chancellor, who led the Unification of Germany?

ANSWER: (Otto von) Bismarck

- BONUS BONUS: Bismarck was eventually forced out of power by what German Kaiser who led Germany to its defeat in World War I?

ANSWER: Wilhelm II

END OF FIRST HALF

The score at the end of the first half is

Team one _____ Team two _____

Are there any questions?

(pause and look at the coaches if there are no protests proceed)

"Coaches... you may substitute if you wish."

- _____ 13. POP/CE: **The announcement that a popular sporting event would be hosted here caught the attention of human rights activists.*** Critics say the country's crown prince uses these high-profile events to bolster the country's global image. Name the country chosen to host the 2034 FIFA Men's World Cup.

ANSWER: **Saudi Arabia**

BONUS BONUS: Who is the Crown Prince of Saudi Arabia?

ANSWER: **Mohammed bin Salman**

- _____ 14. SCIENCE **This system in the human body is responsible for transporting oxygen,* nutrients, and waste products. It includes the heart, blood, and blood vessels. What is this system?**

ANSWER: **Circulatory system**

BONUS BONUS: What is the largest artery in the human body?

ANSWER: **Aorta**

- _____ 15. HUMANITIES: **In one novel written in this genre, Santiago communes with the “Soul of the World.” In another novel in this genre, the fictitious town of Macondo is inhabited by the * Buendia family. *The Alchemist* and *One Hundred Years of Solitude* are works in what genre, that incorporates fantastical elements into realistic settings?**

ANSWER: **Magical Realism** [or Magic Realism]

BONUS BONUS: Another example of a Magical Realist novel is *The House of the Spirits*, written by what Chilean author?

ANSWER: **(Isabel) Allende**

- _____ 16. MATHEMATICS COMPUTATION: What is the decimal number equivalent to the binary number 10001110?
[READ slowly: one zero zero zero one one one zero].

ANSWER: **142**

BONUS BONUS COMPUTATION: What is the decimal number equivalent to the octal (base 8) number 257? [READ: two five seven]

ANSWER: **175**

- _____ 17. SOCIAL STUDIES: **Richard Neville earned the epithet “Kingmaker” during this war which included Buckingham’s Rebellion. The Battle of * Bosworth Field was the decisive defeat of Richard III during this war. The House of Tudor was established during what war fought between the Houses of York and Lancaster?**

ANSWER: **(Wars of the) Roses**

BONUS BONUS: The first battle of the Wars of the Roses took place in what cathedral city 22 miles north of London?

ANSWER: **St. Albans**

- _____ 18. SCIENCE: These natural formations are created by the deposition of sediment carried by a river* at its mouth, where it meets a larger body of water like a sea or ocean. The Nile River is famous for one of these features. What is this landform?

ANSWER: Delta

- BONUS BONUS: What is the name of the sedimentary feature formed in rivers where water flows around a bend?

ANSWER: Meander

END OF THIRD QUARTER

*The score at the end of the third quarter is
Team one _____ Team two _____
Are there any questions?*

(pause and look at the coaches if there are no protests proceed)
"Coaches... you may substitute if you wish."

- _____ 19. FINE ARTS: An early example of this artform was known as daguerreotype. Alfred Stieglitz and Man Ray were both influential in this artform, which saw the * F/64 [F stop 64] movement. What is this artform, which includes the Dorothea Lange work *Migrant Mother*?

ANSWER: Photography [accept obvious logical equivalents]

- BONUS BONUS: What photographer of *Monolith, the Face of Half Dome*, and many other photographs of Yosemite National Park founded the F/64 movement?

ANSWER: (Ansel) Adams

- _____ 20. POP/CE: This former college field hockey player and soon-to-be mother of four hosts *Not Gonna Lie*.* Her podcast knocked Joe Rogan's from the number one spot. Name the podcaster married to a retired NFL star.

ANSWER: Kylie Kelce

- BONUS BONUS: Which celebrity calls herself Kylie Kelce's "honorary sister-in-law"?

ANSWER: Taylor Swift

- _____ 21. MATHEMATICS COMPUTATION: If $x = -2$ and $y = 9$, evaluate $x^2 - 3xy + \sqrt{y}$
[READ X squared minus three X Y plus the square root of Y]

ANSWER: **61**

- BONUS BONUS COMPUTATION: If $x = 4.1$ and $2x + 5y = 29.7$, what is the value of y ?

ANSWER: **4.3**

- _____ 22. SOCIAL STUDIES: This man was attacked by a rabbit while fishing in 1979, and he won a Nobel Peace Prize for his work securing global human rights. This man led negotiations for the * Camp David Accords, and delivered the “Crisis of Confidence” Speech. Who is this former president and peanut farmer from Plains, Georgia, who passed away in late 2024?

ANSWER: (Jimmy) **Carter**

- BONUS BONUS: Carter’s popularity tanked as a result of what event, in which an American embassy was taken in a Middle Eastern country which experienced a Revolution in 1979?

ANSWER: **Iran Hostage Crisis**

- _____ 23. SCIENCE This type of evidence includes hair, fibers, or soil and often requires microscopic analysis to identify its origin.* Unlike fingerprints or DNA, it cannot usually provide a unique match but can help narrow down suspects. What is this broad category of evidence?

ANSWER: **Trace** evidence

- BONUS BONUS: Forensic scientists use a specific instrument to analyze the chemical composition of trace evidence such as glass or paint. What is the name of this instrument, which uses energy to determine the elemental composition of materials?

ANSWER: **Scanning Electron Microscope (SEM)**

- _____ 24. LITERATURE: This word comes from the Greek meaning “in addition”.* It can also be used to reveal the fates of the characters and is presented from the perspective of within the story. What is this final chapter at the end of a story?

ANSWER: **epilogue**

- BONUS BONUS: In which Shakespearean play does the character Puck deliver an epilogue?

ANSWER: **A Midsummer Night's Dream**

END OF GAME

The score at the end of the game is

Team one _____

Team two _____

If there is a tie allow for substitution before you ask the tie-breaker questions. Read all 5 to determine the winner.

Tie Breakers

SCIENCE What planet in our solar system has the most moons?

ANSWER: **Jupiter**

SOCIAL STUDIES: The Decembrist Revolt occurred in what country which had its imperial period ended by the February and October revolutions?

ANSWER: **Russia**

FINE ARTS: What American composer wrote *Doctor Atomic* and *Nixon in China*?

ANSWER: (John Coolidge) **Adams**

MATHEMATICS: What is the smallest three-digit prime number?

ANSWER: **101**

POP/CE: Which long term Prime Minister of Canada announced his resignation in January of 2025?

ANSWER: Justin **Trudeau**

*Are there any questions? (pause and look at the coaches if there are no protests proceed)
This ends the game. "*