

Froshmore Championships

Round Three

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 Three 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: **A visit to West Germany by Ronald Reagan inspired a song in this genre called “Bonzo Goes to Bitburg.” The third verse of another song in this genre contains Spanish language backing vocals and is called * “Should I Stay or Should I Go?”** The Clash and the Ramones were pioneers of what anti-authoritarian subgenre of rock music?

ANSWER: **Punk** (Rock) [prompt on Rock before “rock” is read]

BONUS BONUS: What punk rock band wrote the songs, “Holiday in Cambodia,” and “California Uber Alles?”

ANSWER: **Dead Kennedys**

- _____ 2. SOCIAL STUDIES: **This tactic was advocated for in Charles De Gaulle’s Army of the Future. Artillery and air strikes took out strong positions as part of this tactic which was used effectively in the * Nazi invasion of Poland.** What is this tactic, with a name that means “Lightning Warfare?”

ANSWER: **Blitzkrieg** [prompt on Lighting Warfare before it's read]

BONUS BONUS: What word, literally meaning “Air Weapon,” is used to name the Nazi Air Force that was instrumental in the success of Blitzkrieg?

ANSWER: **Luftwaffe**

- _____ 3. SCIENCE **This state of matter has neither a fixed shape nor a fixed volume and consists of particles that move freely past one another. It is one of the three common states of matter. What is this state?**

ANSWER: **Gas**

BONUS BONUS SCIENCE Name the process by which a solid changes directly into a gas without passing through the liquid state.

ANSWER: **Sublimation**

- _____ 4. MATHEMATICS COMPUTATION: Multiply $(3x - 13y)(3x + 13y)$
[READ: quantity three X minus thirteen Y, close quantity, times quantity three X plus thirteen Y, close quantity]

ANSWER: **$9x^2 - 169y^2$** [Nine X squared minus one hundred sixty-nine Y squared]

BONUS BONUS COMPUTATION: What is $(2a + 3b)^2$? [READ: Two A plus three B quantity squared]

ANSWER: **$4a^2 + 12ab + 9b^2$**

5. HUMANITIES: Some Christians argue that the only legitimate one of these is the one first published in 1611. William Tyndale and Miles Coverdale completed examples of these works, which precede one commissioned by an * English King. What works include The King James and New International versions?

ANSWER: English Translations of the Bible [prompt on partial answers]

- BONUS BONUS: The belief that the only acceptable English translation of the Bible is the King James version is prominent in what apocalyptic Christian sect founded by James and Ellen White?

ANSWER: Seventh-Day Adventism [accept Seventh Day Adventist Church]

6. POP/CE: After more than 50 years of being ruled by one family, this country's* capital fell to rebels. The rebels swept through Aleppo, Hama, and Homs before capturing the capital. Name the country where rebels overtook Damascus.

ANSWER: Syria

- BONUS BONUS: Which family ruled Syria for more than five decades?

ANSWER: Assad

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. SOCIAL STUDIES: This Supreme Court case's decision included the phrase "with all deliberate speed" which led to the intentional delaying of the policy argued for in this case. This was supported by the National Guards presence at Central High School in * Little Rock. What is this Supreme Court case, which declared public school segregation to be unconstitutional?

ANSWER: Brown v Board (of Education of Topeka, Kansas)

- BONUS BONUS: Who was the Chief Justice of the Supreme Court during the Brown v Board case?

ANSWER: (Earl) Warren

8. SCIENCE Two masses exert an attraction to each other over a distance. What is the name of this force that is the weakest of the four fundamental forces?

ANSWER: Gravitational force (or gravity)

- BONUS BONUS SCIENCE Which scientist formulated the law of universal gravitation?

ANSWER: Isaac Newton

- _____ 9. MATH COMPUTATION: What is the decimal value of the base eight number 1111?
[SAY one one one one]

ANSWER: **585**

- BONUS BONUS COMPUTATION: What is the decimal number for the hexadecimal number 3C?

ANSWER: **60**

- _____ 10. LITERATURE: **This type of literature is an expression of a culture's anxieties.*** George Orwell gave readers one of the first examples of this type of literature with the book *1984*. In which type of literature does the author describe a horrible place where everything has gone wrong?

ANSWER: **dystopia**

- BONUS BONUS: This is the opposite of dystopia. What is the term that means a perfect paradise?

ANSWER: **utopia**

- _____ 11. SOCIAL STUDIES: **This man issued the “Report on Manufactures,” and co-wrote a series of papers alongside John Jay and James Madison. This man’s presidential aspirations ended by the publishing of the * Reynolds Pamphlet.** Who was this man, the first treasury secretary of the United States who was killed in a duel by Aaron Burr?

ANSWER: (Alexander) **Hamilton**

- BONUS BONUS: The Burr-Hamilton duel took place in what New Jersey city on the Hudson River?

ANSWER: **Weehawken**

- _____ 12. SCIENCE **This type of relationship occurs when two organisms live closely together, and at least one benefits.** Examples of this relationship include mutualism, commensalism, and parasitism. What is this ecological relationship called?

ANSWER: **Symbiosis**

- BONUS BONUS SCIENCE In parasitism, what is the term for the organism that is harmed?

ANSWER: **Host**

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: It's the top-ranked movie in all of streaming.* The Disney film has been streamed for almost 45 billion total minutes. Name the animated film set in ancient Polynesia.

ANSWER: **Moana**

BONUS BONUS: Name the once-mighty demigod who guides Moana in her quest.

ANSWER: **Maui**

- _____ 14. MATHEMATICS: What is 528 billion in correct scientific notation?

ANSWER: **5.28×10^{11}** [Five point two eight times ten to 11th (power)]

BONUS BONUS: What is three hundred eight millionths in correct scientific notation? .

ANSWER: **3.08×10^{-4}** [Three point zero eight times ten to the negative four (power)]

- _____ 15. FINE ARTS: A film set in and partially titled for this city features a character played by Setsuko Hara saying life is, "Nothing but Disappointment." The first work in the *Fifty-Three Stations of the Tokaido* features the * Nihonbashi Bridge in what is now this city. What is this city, whose pleasure districts inspired the Ukiyo-E movement?

ANSWER: **Tokyo**

BONUS BONUS: Setsuko Hara featured in several films by what director of *Tokyo Story*?

ANSWER: (Yasujiro) **Ozu** [accept names in either order]

- _____ 16. SOCIAL STUDIES: The writer of the *Muqaddimah*, Ibn Khaldun, developed the Ottoman school of this profession. Procopius held this profession in the court of* Justinian, before the development of this profession was de-railed by the "Chroniclers." What is this profession, whose "father" Herodotus wrote about the Greco-Persian Wars?

ANSWER: **Historian** [accept obvious logical equivalents]

BONUS BONUS: What ancient historian wrote *The History of the Peloponnesian War*?

ANSWER: **Thucydides**

- _____ 17. SCIENCE: This largest marine phylum are often soft-bodied invertebrates that have a muscular foot, a mantle,* and a radula. They include classes like Gastropoda, Bivalvia, and Cephalopoda. What is this diverse phylum?

ANSWER: **Mollusca** (accept mollusks)

BONUS BONUS: Name the class of mollusks that includes squid, octopuses, and cuttlefish.

ANSWER: **Cephalopoda** (accept Cephalopods)

_____ 18. MATHEMATICS: What conic section is represented by the equation $12x^2 + 5x + 2y - 4 = 0$?

ANSWER: **Parabola**

BONUS BONUS: What conic section is represented by the equation $7x^2 + 12x - 24 = 2y - 2y^2$

ANSWER: **Ellipse**

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. HUMANITIES: This country is the origin of the traditional sport of wife-carrying. Many Karelian melodies appear in the folk music of this country, which has its mythology collected in *Kalevala. What is this country, which has 3.3 million active saunas?

ANSWER: **Finland**

BONUS BONUS: Finland is responsible for four world champions in what international motorsport league, whose Finnish champions include Mika Hakkinen and Kimi Raikkonen?

ANSWER: **Formula One** [also accept F1]

_____ 20. POP/CE: Billboard says she is the greatest pop star of the 21st century.* She topped the Billboard Hot 100 for the first time in 2000. Name the star and former member of Destiny's Child who topped the Hot 100 for the 12th time in 2024.

ANSWER: **Beyonce**

BONUS BONUS: Beyonce grew up in which Texas city?

ANSWER: **Houston**

_____ 21. SOCIAL STUDIES: This man's first presidential campaign resulted in a defeat to William McKinley despite the support of the Silver Party. This man expressed his support for Free Silver in the * "Cross of Gold Speech." The State of Tennessee in the Scopes Monkey Trial was represented by what Populist politician and orator?

ANSWER: (William Jennings) **Bryan**

BONUS BONUS: What attorney defended John Scopes at the Scopes Monkey Trial?

ANSWER: (Clarence) **Darrow**

- _____ 22. SCIENCE: These large, slow-moving masses of ice and snow carve valleys and shape landscapes as they advance and retreat. Examples include the Greenland Ice Sheet and the Antarctic Ice Sheet. What are these features?

ANSWER: **Glaciers**

- BONUS BONUS: There are 3 types of glaciers. Glaciers confined within a path that directs the ice movement are called what?

ANSWER: **Mountain Glaciers**

- _____ 23. LITERATURE: Notable figures in this movement include Langston Hughes*, Zora Neale Hurston, and Claude McKay. It included literature, poetry, prose, art, music, and dance. What is the period of cultural and artistic expression among African Americans in part of New York City?

ANSWER: **Harlem Renaissance**

- BONUS BONUS: The Harlem Renaissance began at the end of which war?

ANSWER: **World War I**

- _____ 24. MATHEMATICS COMPUTATION: What is 27 divided by one-third?

ANSWER: **81**

- BONUS BONUS COMPUTATION: Divide $18 \frac{2}{3}$ by $\frac{8}{9}$ [Seventeen and two-thirds by eight-ninths.]

ANSWER: **21**

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 is the name of the effect that causes light to bend as it passes through a different medium?

ANSWER: Refraction

POP/CE: Which song won Record of the Year at the 2025 Grammy awards?

ANSWER: Not Like Us

HUMANITIES: What Italian playwright included The Father, The Mother, and Madame Pace (pronounced Pah-chay) in his play *Six Characters in Search of an Author*?

ANSWER: (Luigi) Pirandello

MATHEMATICS COMPUTATION: Divide the number of keys on a standard piano by the number of quarts in $5 \frac{1}{2}$ gallons. What is the result?

ANSWER: 4 [88 / 22]

SOCIAL STUDIES: The Isaaq Genocide took place in what country, currently a failed-state governed from Mogadishu?

ANSWER: (Federal Republic of) Somalia [do NOT accept Somaliland]

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