

Froshmore Championships

Round Five

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 Five 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. LITERATURE: **This young adult novel narrates the story of a 16-year-old girl who is diagnosed with cancer.*** She joins a support group where she meets Augustus and they form a relationship. Name this novel by John Green that tells the story of Hazel Grace Lancaster.

ANSWER: **The Fault in Our Stars**

- BONUS BONUS: John Green's most recent book is about a contagious bacterial disease that most often affects the lungs. What is the disease?

ANSWER: **tuberculosis**

- _____ 2. SCIENCE: **This term refers to the average conditions of temperature, precipitation, and other atmospheric factors in a region over a long period of time. It is different from weather, which describes short-term changes. What is this term?**

ANSWER: Climate

- BONUS BONUS: What is the name of the periodic climate phenomenon that warms ocean waters in the eastern Pacific and influences global weather patterns?

ANSWER: El Niño

- _____ 3. SOCIAL STUDIES: **Ching Shih was the first female leader of a collective specializing in this occupation. Many people who performed this occupation centered their activities around *** Port Royal Jamaica. Henry Morgan and Blackbeard were famous performers of what illegal occupation?

ANSWER: **Pirates** [accept any word forms; prompt on Organized Crime or Gambling or anything that pirates would have done, but that is not necessarily piracy]

- BONUS BONUS: What was the real name of the pirate known as Blackbeard?

ANSWER: (Edward) **Teach**

- _____ 4. MATH: Which of these regular polygons can not be circumscribed by a circle?
Triangle, Quadrilateral, Pentagon, Hexagon, Heptagon, Octagon

ANSWER: **Heptagon**

- BONUS BONUS: What is the term for the line drawn from the center of a regular polygon perpendicular to a side?

ANSWER: **Apothem**

- ____ 5. HUMANITIES: This event resulted in a decree which disallowed divorced people from remarrying until their ex-spouse died. This event was convoked by * Pope Paul III in response to a growing movement sparked by Martin Luther. What ecumenical council started the Counter-Reformation?

ANSWER: (Council of) Trent

- BONUS BONUS: The publication of the decree of the Council of Trent was delayed in Scotland due to the popularity of what early Presbyterian leader?

ANSWER: (John) Knox

- ____ 6. POP/CE: This movie star received a major honor from the US Navy.* The Navy says he has promoted their program through many movies. Name the *Top Gun* star receiving the Navy's Distinguished Public Service Award.

ANSWER: Tom Cruise

- BONUS BONUS: What was Cruise's nickname in the *Top Gun* movies?

ANSWER: Maverick

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. SCIENCE This term is used to describe what happens to a wave when it bends around an object or travels through a slit.* What is the bending of waves around obstacles called?

ANSWER: Diffraction

- BONUS BONUS This scientist famously conducted a double slit experiment that demonstrated the wave-particle duality of light. Name him.

ANSWER: Thomas Young

- ____ 8. SOCIAL STUDIES: Lew Wallace, the author of *Ben Hur*, gave reinforcement orders which were ignored during this battle. This battle saw fighting in a bunch of oak trees nicknamed "The * Hornet's Nest." What is this civil war battle, a Union victory near Pittsburg Landing, Tennessee?

ANSWER: (Battle of) Shiloh

- BONUS BONUS: What future U.S. president was the head of the Union army at Shiloh?

ANSWER: (Ulysses S) Grant

_____ 9. MATH COMPUTATION: What is the Roman Numeral for the current calendar year, 2025?

ANSWER: **M M X X V**

BONUS BONUS COMPUTATION: What is the decimal number for the Roman Numeral [read slowly please] M M C D X C I X?

ANSWER: **2,499** [two thousand four hundred ninety nine]

_____ 10. FINE ARTS: **Two statues of this figure were located in Afghanistan before being destroyed by the Taliban in 2001. Another statue of this figure sits on a pilgrimage route in the Bihar State in India. Who is this** * religious founder, who is depicted in the Laykyun Sekkya statue in Myanmar?

ANSWER: **Buddha** [or Siddhartha Gautama or the Gautama Buddha]

BONUS BONUS: The Leshan Giant Buddha is a statue of the Buddha that was carved into a sandstone cliff at the confluence of the Min and Dadu rivers in the 8th century in what country?

ANSWER: **China**

_____ 11. SCIENCE **This term refers to the process by which plants lose water vapor through small pores in their leaves.** This process is important for nutrient uptake and cooling the plant. What is this process called?

ANSWER: **Transpiration**

BONUS BONUS SCIENCE Name the specialized structures in the epidermis of leaves that regulate transpiration and the two cells that surround each of these structures.

ANSWER: **Stomata or stoma or stomate**

_____ 12. SOCIAL STUDIES: **France defeated this country in the Pastry War during the First Intervention. The Second French Intervention into this country saw the** * **Battle of Puebla**, which occurred on May 5th. What is this country which celebrates Cinco de Mayo?

ANSWER: **Mexico**

BONUS BONUS: What long-serving president of Mexico came to power after the execution of Maximilian I and served from 1876 to 1911? This president was eventually overthrown in the Mexican Revolution and went into exile.

ANSWER: (Porfirio) **Diaz**

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: **He is charged with murder and terrorism in New York.*** He was arrested after several days on the run and fought extradition to New York, where the charges were filed. Name the man accused of fatally shooting the United Healthcare CEO.

ANSWER: **Luigi Mangione**

BONUS BONUS: In which state was Mangione arrested?

ANSWER: **Pennsylvania**

- _____ 14. MATH COMPUTATION: How many pints are there in 12.5 gallons?

ANSWER: **100** (pints)

BONUS BONUS COMPUTATION: How many quarts are there in 20 bushels?

ANSWER: **640** (quarts)

- _____ 15. LITERATURE: **This poem explores life in London in the aftermath*** of the First World War. It is about the alienation and brokenness of modern life. Name the poem by T.S. Eliot.

ANSWER: **The Waste Land**

BONUS BONUS: Eliot renounced his citizenship from which country?

ANSWER: **United States (America)**

- _____ 16. SCIENCE **This type of chemical reaction involves the exchange of ions between two compounds,** often resulting in the formation of a precipitate. An example is the reaction between silver nitrate and sodium chloride. What is this type of reaction called?

ANSWER: **Double displacement reaction** (or double replacement reaction)

BONUS BONUS SCIENCE: In a double replacement reaction ions are exchanged. In a single replacement reaction, what is exchanged between the chemical species involved?

ANSWER: **electrons**

- _____ 17. SOCIAL STUDIES: **This man's planned primary challenge in 1936 was derailed by his assassination. This man promised to make, "Every man a king," with his *** Share Our Wealth program. Who is this politician, who was assassinated in the state capitol in Baton Rouge, and was nicknamed "Kingfish?"

ANSWER: (Huey) **Long**

BONUS BONUS: Huey Newton, the founder of this radical African-American organization, was named after Huey Long. What is this organization, named for a large cat?

ANSWER: **Black Panther** (Party)

_____ 18. MATH COMPUTATION: Solve this equation for x: $21x + 34 = 18x - 65$

ANSWER: (x =) **-33**

BONUS BONUS COMPUTATION: Solve this equation for x: $124.7x - 84 = 501 - 5.3x$

ANSWER: (x =) **4.5**

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: Folk music in this country often features controlled screaming called "White Voice." The garmon is a type of accordion used in this country's folk music which often includes the vocalization * "ahy luli luli lui." What is this large country, where folk music often features the Balalaika?

ANSWER: **Russia**

BONUS BONUS: What family of instruments includes the Russian Balalaika and the Arabic Oud?

ANSWER: **String**

_____ 20. SCIENCE This process, divided into stages, involves the division of a single cell into two genetically* identical daughter cells. It is essential for growth, tissue repair, and asexual reproduction. What is this type of cell division?

ANSWER: **Mitosis** (do not accept or prompt on meiosis)

BONUS BONUS SCIENCE What structure pulls sister chromatids apart during mitosis?

ANSWER: Spindle fibers

_____ 21. POP/CE: This animated show is headed to the big screen for the first time.* It was the most-watched kids show of 2023 and 2024. Name the upcoming film that features a family of Australian dogs.

ANSWER: **Bluey**

BONUS BONUS: What is Bluey's younger sister's name?

ANSWER: **Bingo**

- _____ 22. SOCIAL STUDIES: William Wilburforce encouraged a boycott of this good due to the presence of slave labor in its production. A liquid byproduct of this good was shipped to * distilleries in America as part of the Triangular Trade. Large plantations in Latin America produced what good from its namesake cane?

ANSWER: Sugar

- BONUS BONUS: What byproduct of sugar production was shipped to American distilleries on the triangle trade? In 1919, this byproduct caused a flood in Boston.

ANSWER: Molasses

- _____ 23. MATH COMPUTATION: What is the value of seven factorial?

ANSWER: **5040**

- BONUS COMPUTATION: What is the sum of five factorial plus four factorial plus three factorial plus two factorial plus one factorial plus zero factorial?

ANSWER: **154** [0! = 1, 1! = 1, 2! = 2, 3! = 6, 4! = 24, 5! = 120]

- _____ 24. FINE ARTS: This animal was shown to briefly have all four of its legs in the air while running thanks to a video by Eadweard Muybridge. Frederic * Remington created a sculpture that showed one of these animals rearing. Donatello's *Gattamelata* shows a man riding what animal, which is included in equestrian statues?

ANSWER: Horse

- BONUS BONUS: What man appears atop a large equestrian statue along the Tuul River in Ulaanbaatar, Mongolia?

ANSWER: Genghis Khan

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

MATHEMATICS COMPUTATION: Evaluate $1000^{-2/3}$ [One thousand to the negative two-thirds power]. Give your answer as a decimal.

ANSWER: **0.01 OR just .01 OR one-hundredths OR one one-hundredths**

LITERATURE: What is a saying, image, or idea which has been used so much that it sounds terrible uncreative?

ANSWER: **cliche**

SOCIAL STUDIES: What president ordered Douglas Macarthur to clear the Bonus Army and oversaw the beginning of the Great Depression?

ANSWER: (Herbert) **Hoover**

SCIENCE: What is the pH of a neutral solution at 25°C?

ANSWER: **7**

POP/CE: Which annual TV show on Animal Planet features adoptable canines? This year's event that aired on Super Bowl Sunday saw Team Ruff take on Team Fluff in the 21st edition?

ANSWER: **Puppy Bowl**

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