

Froshmore Championships

Round One

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 One 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. **HUMANITIES:** Archery, mathematics, and music are included in this man's theory of the "Six Noble Arts." This teacher of * Mencius formulated the silver rule as well as the concept of ren. Who is this Chinese philosopher, whose sayings were recorded in the *Analects*?

ANSWER: Confucius [also accept Kong Fuzi]

- BONUS BONUS: Which of Confucius's Six Arts was one of the Four Arts of the Chinese court and is called Shufa when done in Islam?

ANSWER: Calligraphy

- _____ 2. **MATHEMATICS COMPUTATION:** The Okie Theater has 20 seats in the front row. Each succeeding row has two more seats. How many seats are there in the 20th row?

ANSWER: **58** (seats)

- BONUS BONUS COMPUTATION: How many total seats are in these 20 rows?

ANSWER: **780** (seats)

- _____ 3. **SCIENCE** This forensic discipline involves determining the time and cause of death based on changes in the body, such as rigor mortis and livor mortis. What is this field, often led by medical examiners or coroners?

ANSWER: Forensic pathology

- BONUS BONUS: Forensic pathologists often study the temperature of the liver to estimate the time of death. What is the name of this cooling of the body after death?

ANSWER: Algor mortis

- _____ 4. **SOCIAL STUDIES:** A letter from a nine-year-old girl named Grace Bedell convinced this man to grow out his beard. This man delivered the Cooper Union Speech and ran for * Senator of Illinois against a supporter of the Freeport Doctrine. What U.S. President issued the Emancipation Proclamation during the Civil War?

ANSWER: (Abraham) Lincoln

- BONUS BONUS: What Democrat, and supporter of Popular Sovereignty, defeated Abraham Lincoln in the Senate race in 1858?

ANSWER: (Stephen) Douglas

5. LITERATURE: He's known for his tales involving mystery and the macabre and for being the father of the modern detective story.* He's best known for his poetry and short stories, and he was one of the country's earliest short story writers. Name the author known for *Annabel Lee*, *The Tell-Tale Heart*, and *The Fall of the House of Usher*.

ANSWER: **Edgar Allan Poe**

- BONUS BONUS: Which narrative poem by Poe tells the story of a distraught lover who is paid a visit by a mysterious animal who repeatedly speaks a single word?

ANSWER: **The Raven**

6. POP/CE: They briefly donned salmon hats, carrying dead fish on their heads* for weeks. It was a repeat of when this type of whale did the same thing in 1987. Name the type of whale, often referred to as the killer whale.

ANSWER: **Orca whale**

- BONUS BONUS: The orcas were spotted in which Washington sound?

ANSWER: **Puget Sound**

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: Given "If A, then B". What is the geometric term for "If B, then A?"

ANSWER: **Converse**

- BONUS BONUS: What is the term in logic for a statement that is true by necessity or by virtue of its logical form?

ANSWER: **Tautology**

8. SCIENCE This quantity, symbolized by capital "M," measures the number of moles of solute per liter of solution. It is a common way to express the concentration of solutions in chemistry. Name this unit.

ANSWER: **Molarity**

- BONUS BONUS SCIENCE COMPUTATION: What is the molarity of a solution containing 2 moles of solute in 4 liters of solution?

ANSWER: **0.5 M**

- _____ 9. SOCIAL STUDIES: The Gaelic song, “Mo Ghile Mear”(Muh Ghee-leh mar) was written for a leader of this rebellion. The Battle of Falkirk was a victory for that leader during this rebellion. Bonnie * Prince Charlie led what rebellion which led to the outlawing of Highlander Culture in Scotland?

ANSWER: Jacobite (Rebellion of 1745) [also accept ‘45 Rising or ‘45 Rebellion]

- BONUS BONUS: What battle fought near Inverness, Scotland was the final decisive defeat of the Jacobites?

ANSWER: (Battle of) Culloden

- _____ 10. FINE ARTS: This artist painted a scene from the Book of Daniel in *Belshazzar's Feast*. Another painting by this man showed a doctor * operating in front of students. *The Anatomy Lesson of Dr. Nicolaes Tulp* is a work by what artist who showed a militia company in *Night Watch*?

ANSWER: Rembrandt (van Rijn)

- BONUS BONUS: The *Night Watch*'s official name is *The Shooting Company* of what man and Willem van Ruytenburch?

ANSWER: (Frans Banning) Cocq

- _____ 11. MATHEMATICS COMPUTATION: Solve for x: $33x - 256 = 16x + 118$

ANSWER: (x =) 22

- BONUS BONUS COMPUTATION: Solve for x: $4/5 x - 3/10 = 7/5 - 1/3x$
[READ: Four-fifths X minus three-tenths equals seven-fifths minus one-third X]

ANSWER: 3/2 OR 1.5 OR 1½

- _____ 12. SCIENCE This simple machine utilizes a bar and a fulcrum. What is this simple machine, like a wheelbarrow or crowbar, that amplifies force to make work easier?

ANSWER: lever

- BONUS BONUS SCIENCE Name any two other types of simple machines.

ANSWER: any two: pulley, inclined plane, wheel and axle, screw, wedge

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: **Movie fans used this portmanteau to describe these late 2024 releases.*** The word combo was used for two films released around the Thanksgiving holiday. Name the term used by fans of *Wicked* and *Gladiator II*.

ANSWER: **Glicked** (glick- ed or glicked)

- BONUS BONUS: Name the movie-name combo made popular by two summer blockbusters in 2023.

ANSWER: **Barbenheimer**

- _____ 14. SOCIAL STUDIES: **Napoleon's decision to randomly fire a cannonball nearly killed Tsar Alexander I during a battle in this city. This city's Frauenkirche was heavily damaged during * the firebombing of this city in World War II.** What is this German city, the largest in Saxony?

ANSWER: **Dresden**

- BONUS BONUS: The Firebombing of Dresden plays a key role in what novel by Kurt Vonnegut?

ANSWER: **Slaughterhouse Five**

- _____ 15. HUMANITIES: **A mansion in the film Citizen Kane is named for this place, where Samuel Taylor Coleridge “drank the milk of paradise,” in his poem * “Kubla Khan.”** Shangdu is another name for what place, originally the summer palace of the Yuan Emperors?

ANSWER: **Xanadu**

- BONUS BONUS: The first non-Chinese or Mongolian descriptions of Xanadu come from the writings of what Venetian explorer?

ANSWER: (Marco) **Polo**

- _____ 16. MATHEMATICS COMPUTATION: How many milligrams are there in five kilograms?

ANSWER: **5,000,000** (mg)

- BONUS BONUS COMPUTATION: How many months are there in two and one-half score of years?

ANSWER: **600** (months)

- _____ 17. SCIENCE: **This layer of the Earth is composed mostly of iron and nickel and is divided into a solid inner layer and a liquid outer layer. It is responsible for generating the Earth's magnetic field.** What is this layer?

ANSWER: **Core**

- BONUS BONUS: What is the name of the layer of the Earth that is composed of solid rock and lies above the outer core?

ANSWER: **Mantle**

- _____ 18. SOCIAL STUDIES: Isabel Allende's novel *A Long Petal of the Sea* focuses on refugees from this war which included fighting by the International Brigades. The Abraham Lincoln * Battalion fought on the Republican side of this war, which was opposed by the Nationalists. Francisco Franco took power in what war on the Iberian Peninsula?

ANSWER: Spanish Civil War

BONUS BONUS: Franco's Nationalists were supported by the Estado Novo regime of what country?

ANSWER: Portugal

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. LITERATURE: In this 1967 novel, the patriarch of a family founds the fictitious town of Macondo*. A dominant theme in the book is the inevitable and inescapable repetition of history. Name the book about a town founded in the remote jungles of the Colombian rainforest.

ANSWER: One Hundred Years of Solitude

BONUS BONUS: Who wrote *One Hundred Years of Solitude*?

ANSWER: Gabriel Garcia Marquez (prompt on Marquez)

- _____ 20. POP/CE: Republicans cemented a governing trifecta when the results of the 2024 race for this chamber* were announced. The results for this chamber took nearly a month after the election to call. Name the part of the US Congress referred to as the lower chamber.

ANSWER: House of Representatives

BONUS BONUS: Which state was the last to call the race for the House of Representatives?

ANSWER: California

- _____ 21. MATHEMATICS: Identify the conic section formed by this equation: $5x^2 + 12x + 5y^2 - 8y - 40 = 0$

ANSWER: Circle

BONUS BONUS: Identify the conic section formed by this equation: $(x - 3)(y + 2) = 11$
[READ The quantity X minus three, close quantity, times the quantity Y plus two, close quantity, equals eleven.]

ANSWER: Hyperbola

- _____ 22. SCIENCE These mammals are known for their echolocation abilities and are vital for pollination and pest control in many ecosystems. They are the only mammals capable of sustained flight. What are these flying mammals?

ANSWER: **Bats**

BONUS BONUS SCIENCE What is the scientific name for the order that includes bats?

ANSWER: **Chiroptera**

- _____ 23. SOCIAL STUDIES: One of these things was built to house the Stone of Scone. A golden one of these was a symbol of the Ashanti kingdom, while a * Peacock one was used by the Mughal Empire. What are these things, where ruling monarchs sit?

ANSWER: **Thrones** [prompt on Chair or Stool or similar]

BONUS BONUS: The Kohinoor example of what gemstone was used in the Mughal Peacock Throne?

ANSWER: **Diamond**

- _____ 24. FINE ARTS: This composer's *Timon of Athens* is one of many adaptations he created of Shakespeare's plays. Another work by this composer was written for the funeral of Queen Mary and another was written about the romance of a * Queen of Carthage. Who is this composer of *Dido and Aeneas*?

ANSWER: (Henry) **Purcell**

BONUS BONUS: Purcell's *The Fairy-Queen* is an adaptation of what Shakespeare play?

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

SOCIAL STUDIES: What Italian was known as the “Hero of Two Worlds” for his service in the Ragamuffin War and led the Redshirts during the Risorgimento which led to the Unification of Italy?

ANSWER: (Giuseppe) **Garibaldi**

SCIENCE What is the name of the tube that connects the mouth to the stomach?

ANSWER: **Esophagus**

POP/CE: Which film won the Best Motion Picture- Animated category at the Golden Globes in 2025?

ANSWER: **Flow**

LITERATURE: What is a brief statement that contains a little piece of wisdom, or a general rule of behavior derived from the Latin word for 'greatest'?

ANSWER: **maxim**

MATHEMATICS COMPUTATION: Solve for all complex answers for x: $7x^2 + 171 = 108$

ANSWER: (x =) **3i, -3i** [May say plus or minus three i]

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