

## Froshmore Championships

# Round Two

## **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 Two 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: They are written for a specific person, usually someone the author knew\* well. Written in a somber style, it reflects seriously on death and on the person who has passed. What is the term for a poem of mourning?

ANSWER: elegy

BONUS BONUS: For which fallen leader did Walt Whitman write the elegy *O Captain! My Captain!*

ANSWER: Abraham Lincoln

- \_\_\_\_\_ 2. SCIENCE This group of plants, such as mosses and liverworts, lacks true vascular tissue and reproduces using spores instead of seeds. These plants often thrive in moist environments and play a role in preventing soil erosion. What is the term for these nonvascular plants?

ANSWER: Bryophytes

BONUS BONUS SCIENCE Bryophytes undergo an alternation of generations in their life cycle. What is the dominant generation in bryophytes?

ANSWER: Gametophyte

- \_\_\_\_\_ 3. SOCIAL STUDIES: One proxy war of this larger war was the War of the Two Peters. This war was interrupted by an outbreak of Plague and featured the Battle of Poitiers, a victory for \* Edward, the Black Prince. The Siege of Orleans included the actions of Joan of Arc in what war between England and France?

ANSWER: Hundred Years (War)

BONUS BONUS: At what battle, fought on Saint Crispin's Day, did Henry V lead an English army of mostly longbowmen to victory over the French?

ANSWER: (Battle of) Agincourt

- \_\_\_\_\_ 4. MATHEMATICS COMPUTATION: Johnny and Susie are on a seesaw. Johnny weighs 160 pounds and is located four feet from the fulcrum of the seesaw. If the seesaw is at equilibrium and Susie is located five feet from the fulcrum, how much does Susie weigh in pounds?

ANSWER: 128 (pounds)

BONUS BONUS COMPUTATION: Next up on the seesaw are Stevie and Joanna. They sit 12 feet apart. Stevie weighs 200 pounds and Joanna weighs 100 pounds. How far in feet is Joanna from the fulcrum if the seesaw is at equilibrium?

ANSWER: 8 (feet)

5. FINE ARTS: From 1973-1975, this singer had four Top 100 singles including “Sunshine on My Shoulders,” and \* “Thank God I’m a Country Boy.” This singer’s most well-known song appeared on the album *Hopes, Prayers, and Promises* and has been performed at every West Virginia University football home game since 1972. Who is this singer of “Country Roads?”

ANSWER: John Denver

- BONUS BONUS: Denver was killed in 1997 in what kind of event which also killed Buddy Holly on the Day the Music Died?

ANSWER: Plane Crash [accept any obvious equivalent phrasing]

6. POP/CE: Oxford Dictionary proclaimed this two-word phrase its word of the year\* for 2024. It speaks to one of the dangers of virtual life. Name the phrase that describes the deterioration of a person’s mental state after overconsuming online content.

ANSWER: brain rot

- BONUS BONUS: This genre of fiction was a finalist for the word of the year. Name the type of book that combines romantic fiction and fantasy.

ANSWER: romantasy

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 scale is used to classify minerals based on their hardness, with talc being the softest and diamond being the hardest. It was created by Friedrich Mohs in 1812. What is the name of this scale?

ANSWER: Mohs hardness scale

- BONUS BONUS: On the Mohs scale, what mineral has a hardness of 7 and is often found in igneous rocks?

ANSWER: Quartz

8. SOCIAL STUDIES: The Wabanaki were successful on the northern front of this war which was ended by the Treaty of Casco Bay. The Great Swamp Fight also occurred during this war which was sparked by the \* death of John Sassamon. What is this war, the first between American colonists and Native Americans, named for the English name taken by Metacomet?

ANSWER: King Philip's War

- BONUS BONUS: Metacomet was a leader of what Native American tribe of Massasoit and Squanto?

ANSWER: Wampanoag

- \_\_\_\_\_ 9. MATHEMATICS: Two chords intersect inside a circle at the center of the circle. What is the term for the angles formed by the chords with the center being the vertex of the angles?

ANSWER: Central (Angle)

- BONUS BONUS: A line passes through a circle, intersecting the circle at two points. What is the term for this line?

ANSWER: Secant (line)

- \_\_\_\_\_ 10. HUMANITIES: The Spike Lee film *Chiraq* is a modern retelling of this man's play about women withholding sex to prevent their war-mongering husbands from going to war. This man \* satirized contemporary philosophers in a play that features The Thinkery. *The Clouds* and *Lysistrata* are works by what Ancient Greek comic playwright?

ANSWER: Aristophanes

- BONUS BONUS: The croaking chorus *Brekekekèx-koàx-koáx* appears in what play by Aristophanes?

ANSWER: The Frogs

- \_\_\_\_\_ 11. SCIENCE This substance is a common focus in toxicology investigations and can be detected in blood, urine, or hair samples. It is often used as a recreational drug and is also a common cause of poisoning and overdose deaths. What is this substance, whose active ingredient is ethanol?

ANSWER: Alcohol

- BONUS BONUS: Forensic toxicologists often use this technique to separate and identify compounds in a sample. What is this method, abbreviated GC-MS.

ANSWER: Gas Chromatography-Mass Spectrometry

- \_\_\_\_\_ 12. SOCIAL STUDIES: Henry IV legendarily said that this city was "worth a mass." The Communards led a Communist government in this city in 1871, after this city was taken in the \* Franco-Prussian War. The Arc de Triomphe is located in what city, the capital of France?

ANSWER: Paris

- BONUS BONUS: What man, the nephew of a previous French emperor, was the emperor of France during the Franco-Prussian War?

ANSWER: Napoleon III [do NOT accept Napoleon; full name Charles Louis Napoleon Bonaparte] (prompt on Napoleon Bonaparte must have III)

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."*

MATHEMATICS COMPUTATION: Solve this system of linear equations for x and y:  $y = 5x - 8$

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13.

$$3x + y = 16$$

ANSWER: **x = 3, y = 7**

**BONUS COMPUTATION:** At Bob's Burgers, you can buy three burgers and four bags of fries for \$20 and five burgers and two bags of fries costs \$24. How much does one burger and one bag of fries cost?

ANSWER: **\$6** [\$4 for a burger, \$2 for a bag of fries]

**POP/CE:** **He served as a US Representative for Florida until his resignation in 2024.\*** President Trump originally appointed him as attorney general after Trump's election. Name the man who withdrew his name from consideration due to a House Ethics Committee investigation.

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14. ANSWER: **Matt Gaetz**

**BONUS:** Trump named Pam Bondi to replace Gaetz. Which state was she the former attorney general of?

**BONUS**ANSWER: **Florida**

**LITERATURE:** **This is the first of a series of fantasy novels published beginning in 1996.\*** It's the beginning of the *A Song of Ice and Fire* series. Name the book by George R.R. Martin.

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15. ANSWER: ***A Game of Thrones***

**BONUS:** Which character visits the northern castle Winterfell to ask Ned Stark to be his right-hand assistant?

**BONUS**ANSWER: **King Robert Baratheon**

**SCIENCE** This kingdom includes organisms that are multicellular, heterotrophic, and capable of movement at some stage in their life cycle. Examples include sponges, insects, and mammals. What is this kingdom that would be the focus of a zoology class?

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16. ANSWER: **Animalia** (or Animals)

**BONUS SCIENCE** Which phylum in the animal kingdom includes primarily marine animals with stinging cells called cnidocytes, like jellyfish and sea anemones?

**BONUS**ANSWER: **cnidaria** (cnidarians)

**SOCIAL STUDIES:** A co-conspirator of this event was the first woman executed in the United States, Mary Surratt. The perpetrator of this event interrupted a showing of \* Our American Cousin by shouting "Sic Semper Tyrannis!" What is this event, in which John Wilkes Booth killed the 16th US President?

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17. ANSWER: **Assassination of (Abraham) Lincoln** [accept obvious equivalents]**BONUS**

What was the name of the doctor who treated Booth's broken leg after the assassination of Lincoln?

ANSWER: (Samuel) **Mudd**

**MATHEMATICS COMPUTATION:** Solve this proportion for the positive value for x: The

- \_\_\_\_\_ 18. variable X over twelve equals two over the quantity X – 2 .

ANSWER: (x = ) **6**

BONUS COMPUTATION: Two similar dodecagons have corresponding sides in a ratio of 3 to 5. The area of the larger dodecagon is 125 square units. What is the area of the smaller dodecagon?

ANSWER: **45** (square units)

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: This artist depicted himself in a distorted reflection in *Hand with Reflecting Sphere*. Another work by this artist depicts a complex perpetual motion machine and is called \* *Waterfall*. Who is this Dutch artist, whose *Relativity* depicts a series of impossible stairways?

ANSWER: (M.C.) **Escher**

BONUS: What other work by Escher depicts a mirrored landscape with black and white birds flying in opposite directions before they morph into the landscape below?

ANSWER: **Day and Night**

- \_\_\_\_\_ 20. POP/CE: Pop star Dua Lipa frequently uses the 2024 Cambridge Dictionary word\* of the year. Many celebrities have recently used the word on social media. Name the word that means to dream or will something into existence.

ANSWER: **manifest**

BONUS: Which athlete said she manifested her award-winning gymnastics career, after speaking of visualizing future success when she was a young girl?

ANSWER: **Simone Biles**

- \_\_\_\_\_ 21. SCIENCE This physical property of an object is determined by the amount of matter it contains. Oftentimes this is measured in kilograms and is different from weight. What is this property?

ANSWER: **Mass**

BONUS SCIENCE: If you know the mass of an object, in kilograms, you can multiply it by what value in order to calculate the weight?

ANSWER: **gravity** (or acceleration due to gravity or 9.8 m/s<sup>2</sup> (meters per second squared)) [prompt on "g"]

SOCIAL STUDIES: Nikita Khrushchev claimed that the Aswan High Dam should be

- \_\_\_\_\_ 22. **added to this list. Three things on this list were destroyed by earthquakes and only \*** one is still standing. The Pyramids of Giza is the last remaining example of what list of great structures of antiquity?

ANSWER: (Seven) **Wonders of the (Ancient) World**

- BONUS BONUS: Which Ancient Wonder of the World was purported to have been constructed during the reign of Nebuchadnezzar II, but may not have actually existed?

ANSWER: **Hanging Gardens** (of Babylon)

- \_\_\_\_\_ 23. MATHEMATICS COMPUTATION: The sides of a rhombus are 10 centimeters. The longer diagonal is 16 centimeters. How long is the shorter diagonal in centimeters?

ANSWER: **12** (cm)

- BONUS BONUS COMPUTATION: The length of the longer diagonal in a kite is 20 inches. The area of the kite is 120 square inches. How long, in inches, is the shorter diagonal?

ANSWER: **12** (in)

- \_\_\_\_\_ 24. HUMANITIES: **Sick people and pregnant women are among those who are exempt from one of this commemoration's requirements. A crescent moon sighting begins and ends this commemoration, which is celebrated on the \* ninth month of the Islamic calendar.** What is this Islamic celebration, a month of fasting to commemorate the first revelation to Muhammad?

ANSWER: **Ramadan**

- BONUS BONUS: What Islamic holiday marks the end of Ramadan?

ANSWER: **Eid** (al-Fitr) [do NOT accept Eid al-Adha]

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**

POP/CE: Which motion picture won Best Picture at the 2025 Critics Choice awards?

ANSWER: Anora

MATHEMATICS COMPUTATION: What is the prime factorization of 270 using exponents when necessary?

ANSWER: **2 x 3<sup>3</sup> x 5** [may be in any order]

FINE ARTS: What American sculptor created *Flying Dragon* in his namesake “red” and several mobiles including *Lobster Trap and Fish Tail*?

ANSWER: (Alexander) Calder

SOCIAL STUDIES: What man was Governor of Oklahoma during the Red River War, and during most of the Dust Bowl and Great Depression?

ANSWER: (William H.) Murray [also accept “Alfalfa Bill” Murray]

SCIENCE What is the term for the boundary around a black hole beyond which nothing can escape?

Answer: Event horizon

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