

**2024-2025**

**OSSAA  
DISTRICT  
CHAMPIONSHIP**

**High School**

**GAME 1**

**(BEGINNING OF GAME)**

Welcome to the Oklahoma Secondary School Activities Association Academic Bowl. You have previously been instructed regarding the rules. Please turn off all cell phones, tablets, or any device that can receive or send messages. Coaches, team members, and guests are to sit behind their team. Coaches, your protests need to be at the allowed times.

- Introduce yourself and the chief judge.
- **Give your four count.** – Do this for every match (Game Procedures A – 11)
- Have the chief judge check the buzzers.

Note (do not read):

Official closest to scorekeeper: Make sure that scorekeeper has **full names** of students and check after first few questions that they are fully shading in correct answers, and marking correct answers only.

Official closest to timekeeper: Make sure the timekeeper is starting the clock and clearing for the first few questions.

**OSSAA 2024-2025**  
**DISTRICT GAME 1**  
**FIRST QUARTER**  
**TOSS-UP QUESTIONS**

- Known by another name in Britain, in the United States this series of laws was viewed as an attack on colonial self-government and helped unite the colonies against British rule. These laws, enacted by the British Parliament in 1774 in response to the Boston Tea Party, included closing Boston Harbor and expanding the Quartering Act. Name these laws as they are known in the United States.

**Answer:** Intolerable Acts (Accept: Insufferable Acts)

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

- This novel, the first in a popular fantasy series, follows twins Sophie and Josh Newman as they are drawn into a world of magic after meeting a mysterious bookseller in San Francisco. It blends mythology, alchemy, and historical figures, including the immortal alchemist Nicholas Flamel. Name this novel by Michael Scott that begins *The Secrets of the Immortal Nicholas Flamel* series.

**Answer:** *The Alchemist*

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

- This phenomenon occurs when an object travels through the air faster than the speed of sound, around 343 meters per second at sea level. The object creates a shock wave due to the massive compression of air molecules, which results in a loud, thunderous noise resembling an explosion. What is this phenomenon called?

**Answer:** Sonic boom

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

- Math Computation:** What percent of 500 is 175?

**Answer:** 35 %

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**Totals**

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**OSSAA 2024-2025**  
**DISTRICT GAME 1**  
**FIRST QUARTER**  
**TOSS-UP QUESTIONS**

5. This American author is known for her vivid depictions of frontier life on the Great Plains, drawing from her Nebraska upbringing. Her Pulitzer Prize-winning novel tells of a Swedish immigrant's daughter on the Nebraska prairie. Name this author of *My Ántonia* and *O Pioneers!*

**Answer:** Willa Cather

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

6. This cinematic style, prevalent in the 1940s and 1950s, is characterized by its use of stark lighting contrasts, shadows, and complex, cynical plots often involving crime and moral ambiguity. The visual style often includes dark, moody settings and low-key lighting. Which style is exemplified by classic films like "Double Indemnity" and "The Maltese Falcon"?

**Answer:** Film Noir

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

7. **Math Computation:** There are 2 red chips, 6 blue chips, and 8 white chips in a bag. What is the reduced probability that a white chip, then a red chip will be drawn, without replacement? Make sure to reduce your fractional answer.

**Answer:** 1/15

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

8. This Southeast Asian country, with a population of over 96 million, is known for Ha Long Bay's emerald waters and limestone islands. Its capital, Hanoi, features historic sites like the Old Quarter and the Ho Chi Minh Mausoleum. Name this country.

**Answer:** Vietnam

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**Totals**

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**OSSAA 2024-2025**  
**DISTRICT GAME 1**  
**FIRST QUARTER**  
**TOSS-UP QUESTIONS**

9. **Math Computation:** Use the chain rule to find the derivative, with respect to x, of the following expression:  $\sin(4x^2 - 3)$  [read: sine of the quantity 4 x squared minus 3 end quantity].

**Answer:**  $8x \cos(4x^2 - 3)$  [read: 8x cosine (quantity) 4 x squared minus 3 (end quantity)]

**Team 1:** \_\_\_\_\_

**Team 2:** \_\_\_\_\_

10. This property measures a system's thermal energy per unit temperature that is unavailable for work and tends to increase in isolated systems, aligning with the second law of thermodynamics. What is this property, describing the tendency toward greater disorder or chaos over time?

**Answer:** Entropy

**Team 1:** \_\_\_\_\_

**Team 2:** \_\_\_\_\_

11. This work, originally written in Dutch, offers a personal account of life in hiding during the Nazi occupation of the Netherlands. It chronicles a young Jewish girl's thoughts over two years in a secret annex. Name the book title given to the diary of Anne Frank.

**Answer:** Anne Frank: The Diary of a Young Girl

**Team 1:** \_\_\_\_\_

**Team 2:** \_\_\_\_\_

12. This 1960s artistic movement uses geometric shapes, contrasting colors, and patterns to create optical illusions, challenging viewers' perceptions with images that seem to move or shift. Name this visual art style, associated with artists like Victor Vasarely and Bridget Riley.

**Answer:** Op Art (Optical Art)

**Team 1:** \_\_\_\_\_

**Team 2:** \_\_\_\_\_

13. **Math Computation:** What is the sum of the first 7 perfect squares?

**Answer:** 140

**Team 1:** \_\_\_\_\_

**Team 2:** \_\_\_\_\_

**Totals**

**Team 1:** \_\_\_\_\_ **Team 2:** \_\_\_\_\_

**OSSAA 2024-2025  
DISTRICT GAME 1  
FIRST QUARTER  
TOSS-UP QUESTIONS**

14. This quarterback, known for leading the San Francisco 49ers to four Super Bowl victories in the 1980s, was named Super Bowl MVP three times. Inducted into the Pro Football Hall of Fame in 2000, he is often called the "Comeback Kid." Who is this NFL legend?

**Answer:** Joe Montana

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

15. This type of clause cannot stand alone as a complete sentence and depends on a main clause to give it meaning. It often begins with subordinating conjunctions like "although," "because," or "when." What is the term for this kind of clause that provides additional details but requires a main clause to form a complete thought?

**Answer:** Dependent Clause

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

16. This delegate from Virginia played a pivotal role in drafting and promoting the Constitution and the Bill of Rights. He kept detailed notes of the debates during the Constitutional Convention. Who was this influential statesman, known as the "Father of the Constitution," whose later work included co-authoring the Federalist Papers to support the Constitution's ratification?

**Answer:** James Madison

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

17. This humanistic psychologist argued that individuals are motivated to achieve their fullest potential through self-actualization and stressed the need for an environment with genuineness, empathy, and unconditional positive regard. Name this psychologist known for person-centered therapy and his theory of self-actualization.

**Answer:** Carl Rogers

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**Totals**

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**OSSAA 2024-2025**  
**DISTRICT GAME 1**  
**FIRST QUARTER**  
**TOSS-UP QUESTIONS**

18. This anti-apartheid revolutionary and political leader's leadership focused on reconciliation and nation-building, leading a peaceful transition to democracy. He became the first Black president of South Africa after 27 years in prison. Name this Nobel Peace Prize laureate who served as president from 1994 to 1999.

**Answer:** Nelson Mandela

**Team 1:** \_\_\_\_\_

**Team 2:** \_\_\_\_\_

19. This 1965 film is the fourth in the long-running James Bond franchise. What is this film that sees Bond, played by Sean Connery, taking down a nuclear attack plan from the evil Spectre and fighting sharks underwater?

**Answer:** Thunderball

**Team 1:** \_\_\_\_\_

**Team 2:** \_\_\_\_\_

20. This Canadian-American physician and molecular biologist is known for his groundbreaking 1944 experiment demonstrating that DNA, not protein, is the substance responsible for heredity. His work with pneumococcus bacteria laid the foundation for molecular genetics. Name this scientist.

**Answer:** Oswald Avery

**Team 1:** \_\_\_\_\_

**Team 2:** \_\_\_\_\_

**Totals**

**Team 1:** \_\_\_\_\_ **Team 2:** \_\_\_\_\_

**Moderator:** (Check score with chief judge and scorekeeper.)

**The score at the end of the first quarter is:**

(school name) \_\_\_\_\_ has \_\_\_\_\_ points

(school name) \_\_\_\_\_ has \_\_\_\_\_ points

**Coaches you may approach your team for 30 seconds to assist in any questions.**

**This is not a charged time out. (Pause briefly for protests.) Are there any questions?**

**Chief Judge:** (Restate the score if they have changed because of protests.)

(In case of a tie after the first quarter) **Since the score is tied, we will continue with additional toss-up questions until one team scores.** (Restate the score if necessary)

### **2<sup>nd</sup> Quarter – Sixty Second Instructions**

**Moderator** **The second quarter of sixty second questions is about to begin. Everyone please be seated.**

**The categories for the 2<sup>nd</sup> quarter are: (Brief description)**

1. MUSIC- BILLBOARD TOP 100 SONGS 1984
2. MOVIES- OSCARS 2024
3. SPORTS- BOXING LEGENDS

**Teams, you may briefly make substitutions without conferring. (You have 20 seconds to announce your substitutions). Your 20 seconds begins now.**

**Because (school name) is ahead at this time, they will have the choice to play or defer until the 4<sup>th</sup> quarter.**

- **You will have 10 seconds to make your decision. (School name) do you choose to play or defer?**
- **(Address playing team) You will have 10 seconds to choose your category (re-read the above categories)**
- **(If the 10 second buzzer goes off, the moderator will ask for an immediate response.)**
- **Since (school name) is playing first, they may move to a position behind their captain. (Other team) will put down their pencils until their time to play. Captain, all answers will come from you unless you defer to another student.**

**Moderator** **(School name) You have your choice of the two remaining categories. (Other team) put down your pencils. (Active school) may move to a position behind your captain. You will have 10 seconds to make your choice.**

**The selections are:**

- 1.
- 2.

**Moderator** (Check the score with the chief judge and score keeper.)

**The score at the end of the first half is:**

(School name) \_\_\_\_\_ has \_\_\_\_\_ points

(School name) \_\_\_\_\_ has \_\_\_\_\_ points.

**Are there any questions? Coaches you may approach your team for 30 seconds to assist in any questions. This is not a charged time out. (Pause briefly for protests.)**

**This concludes the first half of play. We will pause for substitutions**

**Substituting team members, please check in with the scorekeeper. WE WILL NOW BEGIN 3<sup>RD</sup> QUARTER TOSS-UP QUESTIONS.**

**OSSAA 2024-2025  
DISTRICT GAME 1  
SECOND QUARTER  
60-SECOND QUESTIONS**

**Music - Billboard Top 100 Songs 1984**

**Directions:** Given the name of a song from Billboard's Top 100 list of 1984, name the artist or artists who performed it.

- |     |  |               |
|-----|--|---------------|
| 1.  | "When Doves Cry"                           | Prince        |
| 2.  | "What's Love Got to Do with It"            | Tina Turner   |
| 3.  | "Jump"                                     | Van Halen     |
| 4.  | "Karma Chameleon"                          | Culture Club  |
| 5.  | "Like a Virgin"                            | Madonna       |
| 6.  | "Time After Time"                          | Cyndi Lauper  |
| 7.  | "Footloose"                                | Kenny Loggins |
| 8.  | "Against All Odds (Take a Look at Me Now)" | Phil Collins  |
| 9.  | "Wake Me Up Before You Go-Go"              | Wham!         |
| 10. | "Hello"                                    | Lionel Richie |

**Extra Questions**

- |     |                           |            |
|-----|---------------------------|------------|
| E1. | "Owner of a Lonely Heart" | Yes        |
| E2. | "Missing You"             | John Waite |

**Totals**

**Team 1: \_\_\_\_\_ Team 2: \_\_\_\_\_**

**OSSAA 2024-2025  
DISTRICT GAME 1  
SECOND QUARTER  
60-SECOND QUESTIONS**

**Movies - Oscars 2024**

**Directions:** Given the name of a category in the 2024 Oscars, name the winner.

1. Best Picture *Oppenheimer*
2. Best Feature Documentary *20 Days in Mariupol*
3. Best Actor *Cillian Murphy*
4. Best Actress *Da'vine Joy Randolph*
5. Best Animated Film *The Boy and the Heron*
6. Best Costume Design *Poor Things*
7. Best International Film *Zone of Interest*
8. Best Visual Effects " *Godzilla Minus One*
9. Best Actress *Emma Stone*
11. Best Original Screenplay *Anatomy of a Fall*

**Extra Questions**

- E1. Best Adapted Screenplay *American Fiction*
- E2. Best Original Song *What Was I Made For?*

**Totals**

**Team 1:\_\_\_\_\_ Team 2:\_\_\_\_\_**

**OSSAA 2024-2025  
DISTRICT GAME 1  
SECOND QUARTER  
60-SECOND QUESTIONS**

**Sports - Boxing Legends**

**Directions:** Given the nickname of a famous boxing legend, name the legend.

- |                    |                             |
|--------------------|-----------------------------|
| 1. The Greatest    | Muhammad <u>Ali</u>         |
| 2. Iron Mike       | Mike <u>Tyson</u>           |
| 3. Big George      | George <u>Foreman</u>       |
| 4. Sugar           | Sugar Ray <u>Leonard</u>    |
| 5. Smokin' Joe     | Joe <u>Fraizer</u>          |
| 6. Pac-Man         | Manny <u>Pacquiao</u>       |
| 7. Money           | Floyd <u>Mayweather Jr.</u> |
| 8. The Golden Boy  | Oscar De La <u>Hoya</u>     |
| 9. The Real Deal   | Evander <u>Holyfield</u>    |
| 10. Hands of Stone | Roberto <u>Durán</u>        |

**Extra Questions**

- |                              |                       |
|------------------------------|-----------------------|
| E1. The Easton Assassin      | Larry <u>Holmes</u>   |
| E2. The Brockton Blockbuster | Rocky <u>Marciano</u> |

**Totals**

Team 1: \_\_\_\_\_ Team 2: \_\_\_\_\_

**OSSAA 2024-2025  
DISTRICT GAME 1  
THIRD QUARTER  
TOSS UP QUESTIONS**

21. This World War II battle was a significant Soviet victory and a turning point on the Eastern Front, resulting in the encirclement and destruction of the German 6th Army. Name this battle, fought between August 1942 and February 1943, that greatly weakened the German military.

**Answer:** Battle of Stalingrad

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

22. Science computation: What are the next two frequencies, in hertz, produced in a pipe open at one end if the fundamental frequency of the pipe is 125 hertz?

**Answer:** 375 and 625

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

23. This team, established in 1946, holds the record for the most NBA championships, tied with the Boston Celtics at 17. Known for their purple and gold colors, legendary players like Kobe Bryant and Magic Johnson played for this team. Name this team.

**Answer:** Los Angeles (LA) Lakers

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

24. Math Computation: Convert into a base 8 number, the base ten number 65.

**Answer:** 101

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

25. This concept in chemistry describes a situation where a molecule can be represented by multiple Lewis structures with the same atom arrangement but different electron distributions. It explains the stability of molecules like benzene or nitrate. What is this concept called?

**Answer:** Resonance (Also accept: Mesomerism)

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

**Totals**

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

**OSSAA 2024-2025  
DISTRICT GAME 1  
THIRD QUARTER  
TOSS UP QUESTIONS**

26. This Creek leader, the last elected principal chief of the Creek Nation, was instrumental in negotiating land allotment with the federal government. He also helped organize the Sequoyah Convention, which sought to establish a separate state for Indian Territory, and played a key role in developing the Creek national school system. Name this chief.

**Answer:** Pleasant Porter

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

27. This American composer, born in 1898, is renowned for blending jazz and classical genres. Name this composer whose famous works include "Rhapsody in Blue," the opera "Porgy and Bess," and "An American in Paris."

**Answer:** George Gershwin

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

28. This elementary particle, named after a British physicist, is a key part of the Standard Model of particle physics. Confirmed in 2012 at CERN's Large Hadron Collider, it is responsible for giving mass to other particles. Identify this particle, controversially called the "God particle."

**Answer:** Higgs Boson (particle)

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

29. This monarch, who reigned from 1558 to 1603, is known for her skilled diplomacy, the establishment of the Anglican Church, and her title "The Virgin Queen." Her reign included the defeat of the Spanish Armada and the flourishing of English literature. Name this last Tudor monarch.

**Answer:** Queen Elizabeth I

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**Totals**

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**OSSAA 2024-2025**  
**DISTRICT GAME 1**  
**THIRD QUARTER**  
**TOSS UP QUESTIONS**

30. This novel, first published in 1954, delves into themes of civilization versus savagery. It explores human nature's dark side through a group of boys stranded on an island. Name this novel by William Golding.

**Answer:** *Lord of the Flies*

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

31. This ancient Chinese philosopher, known for his teachings on ethics, morality, and governance, emphasized filial piety, social harmony, and virtuous leadership. His ideas, compiled in the "Analects," have profoundly influenced East Asian societies. Name this philosopher, who lived from 551 to 479 BCE.

**Answer:** Confucius (Kong Qui or Master Kong)

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

32. Science Computation: What is the pH of a solution that has a concentration of hydronium of  $1 \times 10^{-3}$  [read: 1 times ten to the negative third power]?

**Answer:** 3

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

33. This 1997 sci-fi horror film is known for being cut down from an NC-17 rating to an R by removing many scenes of violence. What is this film, directed by Paul W. S. Anderson, that stars Sam Neill and Laurence Fishburne as astronauts who investigate an abandoned spaceship, leading to nightmarish events?

**Answer:** Event Horizon

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

34. Math Computation: What is the measure, in degrees, of an inscribed angle of a circle if the intercepted arc has a measure of 121 degrees?

**Answer:** 60.5

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

**Totals**

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

**OSSAA 2024-2025**  
**DISTRICT GAME 1**  
**THIRD QUARTER**  
**TOSS UP QUESTIONS**

35. This 1989 novel weaves together the stories of four Chinese-American immigrant families in San Francisco, focusing on the relationships between mothers and daughters. It explores themes of cultural identity and generational conflict. Name this novel by Amy Tan.

**Answer:** *The Joy Luck Club*

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

36. This theatrical term refers to the precise staging of actors' movements and positions on stage during a performance, as directed by the stage director. It ensures that the action is visible and meaningful, considering sightlines, focus, and scene composition. Name this aspect of stage direction.

**Answer:** Blocking

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

37. This verb tense describes actions that will be ongoing at a specific moment in the future. What is this verb tense that is formed with "will be" followed by the present participle of the verb.

**Answer:** Future Continuous (Accept Future Progressive)

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

38. This organ, located in the upper left abdomen, filters blood, removes old red blood cells, produces white blood cells, and helps fight infections. It also recycles iron and stores platelets. Name this organ, part of the lymphatic system.

**Answer:** Spleen

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**Totals**

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**OSSAA 2024-2025  
DISTRICT GAME 1  
THIRD QUARTER  
TOSS UP QUESTIONS**

39. This famous poem explores themes of beauty, love, and the enduring power of poetry. Name this sonnet, by William Shakespeare, that begins with "Shall I compare thee to a summer's day?" and praises the beloved's beauty, claiming it will be immortalized through the poem's verses.

**Answer:** Sonnet 18

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

40. These intense atmospheric phenomena form within thunderstorms, particularly supercells. Their formation requires wind shear, atmospheric instability, and moisture. The Enhanced Fujita Scale classifies their severity based on damage. Identify these destructive weather phenomena which involve a rotating column of air extending from a cloud to the ground.

**Answer:** Tornadoes

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

**Totals**

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

**Moderator** (Check score with chief judge and scorekeeper.)

**The score at the end of the third quarter is:**

(school name) \_\_\_\_\_ has \_\_\_\_\_ points

(school name) \_\_\_\_\_ has \_\_\_\_\_ points

**Coaches you may approach your team for 30 seconds to assist in any questions.**

**This is not a charged time out. (Pause briefly for protests.) Are there any questions?**

**Chief Judge** (Restate the score if they have changed because of protests.)

#### **4<sup>th</sup> Quarter – Sixty Second Instructions**

**Moderator** **The fourth quarter of sixty second questions is about to begin. Everyone please be seated.**

**The categories for the 4<sup>th</sup> quarter are: (Brief description)**

1. MUSIC- COMPOSERS AND THEIR WORKS
2. MATH- STATISTICS-SIMPLE INTEREST
3. CHEMISTRY- FORMULAS OF HOUSEHOLD IONIC COMPOUNDS

**Teams, you may briefly make substitutions without conferring. (You have 20 seconds to announce your substitutions). Your 20 seconds begins now.**

**Because (school name) chose first in the 2<sup>nd</sup> quarter, (school name) will have the first choice this quarter.**

**You will have 10 seconds to choose your category.**

**(Active team) may move to a position behind the captain. (Other team) put down your pencils.**

**Captain, all answers will come from you unless you defer to another student.**

**Moderator** (School name) You will have your choice of the two remaining categories. (Other team) put down your pencils. (Active school) may move to a position behind your captain. You will have 10 seconds to make your selection.

**The selections are:**

1.

2.

**Moderator** (Check the score with the chief judge and score keeper) **The score at the end of the game is:**

(School name) \_\_\_\_\_ has \_\_\_\_\_ points

(School name) \_\_\_\_\_ has \_\_\_\_\_ points

**Are there any questions? Coaches you may approach your team for 30 seconds to assist in any questions. This is not a charges time out.**

**(Restate the score if it has changed)**

**(If the game is tied, sudden death questions will be asked.)**

**Because the game is tied, sudden death toss-up questions will be asked. Would either team like to make substitutions? Again, this is not a time for coaches to confer with their team. (Pause for substitutions.)**

**Moderator** This concludes the game. Congratulations to both teams. Please check your bracket and move to the next round as quickly as possible.

**OSSAA 2024-2025  
DISTRICT GAME 1  
FOURTH QUARTER  
60-SECOND QUESTIONS**

**Music - Composers and Their Works**

**Directions:** Given the composition, name the composers.

- |                              |                                |
|------------------------------|--------------------------------|
| 1. Symphony No. 5 in C minor | Ludwig van <u>Beethoven</u>    |
| 2. The Four Seasons          | Antonio <u>Vivaldi</u>         |
| 3. The Magic Flute           | Wolfgang Amadeus <u>Mozart</u> |
| 4. The Rite of Spring        | Igor <u>Stravinsky</u>         |
| 5. Boléro                    | Maurice <u>Ravel</u>           |
| 6. The Planets               | Gustav <u>Holst</u>            |
| 7. Hungarian Rhapsody No. 2  | Franz <u>Liszt</u>             |
| 8. The Barber of Seville     | Gioachino <u>Rossini</u>       |
| 9. The Moldau (Vltava)       | Bedřich <u>Smetana</u>         |
| 10. Enigma Variations        | Edward <u>Elgar</u>            |

**Extra Questions**

- |                                 |                                 |
|---------------------------------|---------------------------------|
| E1. Clair de Lune               | Claude <u>Debussy</u>           |
| E2. Symphony No. 6 "Pathétique" | Pyotr Ilyich <u>Tchaikovsky</u> |

**Totals**

Team 1: \_\_\_\_\_ Team 2: \_\_\_\_\_

**OSSAA 2024-2025  
DISTRICT GAME 1  
FOURTH QUARTER  
60-SECOND QUESTIONS**

**MATH: STATISTICS - SIMPLE INTEREST**

**Directions:** Find the simple interest accrued for each of the following, given the principal, interest rate, and number of years. You do not need to say dollars

- |     |                            |     |
|-----|----------------------------|-----|
| 1.  | \$1000 at 6% for 3 years   | 180 |
| 2.  | \$1500 at 7% for 4 years   | 420 |
| 3.  | \$2500 at 5% for 5 years   | 625 |
| 4.  | \$300 at 4.5% for 6 years  | 81  |
| 5.  | \$500 at 5% for 3 years    | 75  |
| 6.  | \$1200 at 5.5% for 2 years | 132 |
| 7.  | \$7500 at 3% for 3 years   | 675 |
| 8.  | \$800 at 8% for 3 years    | 192 |
| 9.  | \$2000 at 4% for 4 years   | 320 |
| 10. | \$600 at 10% for 5 years   | 600 |

**Extra Questions**

- |     |                            |         |
|-----|----------------------------|---------|
| E1. | \$300 at 3.5% for 4 years  | 42      |
| E2. | \$4500 at 4.5% for 5 years | 1012.50 |

**Totals**

**Team 1:\_\_\_\_\_ Team 2:\_\_\_\_\_**

**OSSAA 2024-2025  
DISTRICT GAME 1  
FOURTH QUARTER  
60-SECOND QUESTIONS**

**Chemistry - Formulas of Household Ionic Compounds**

**Directions:** Identify the chemical formula for the following household ionic compounds.

Example would be Copper (II) Sulfate [read as: Copper 2 Sulfate], answer would be

CuSO<sub>4</sub>. [For Moderator CaCO<sub>3</sub> => "C"- "A"- "C"- "O" three]

- |                        |             |
|------------------------|-------------|
| 1. Sodium chloride     | N-A-C-L     |
| 2. Sodium bicarbonate  | N-A-H-C-O-3 |
| 3. Calcium carbonate   | C-A-C-O-3   |
| 4. Magnesium sulfate   | M-G-S-O-4   |
| 5. Sodium hydroxide    | N-A-O-H     |
| 6. Potassium chloride  | K-C-L       |
| 7. Ammonium chloride   | N-H-4-C-L   |
| 8. Calcium chloride    | C-A-C-L-2   |
| 9. Sodium hypochlorite | N-A-C-L-O   |
| 10. Sodium carbonate   | N-A-2-C-O-3 |

**Extra Questions**

- |                        |   |
|------------------------|---|
| E1. Aluminum sulfate   | A-L-2(-S-O-4)-3 (don't have to say "parentheses") |
| E2. Iron(III) chloride | F-E-C-L-3   |

**Totals**

**Team 1: \_\_\_\_\_ Team 2: \_\_\_\_\_**

**OSSAA 2024-2025  
DISTRICT GAME 1  
EXTRA QUESTIONS**

E1. Science Computation: How many liters of a 10% salt solution must be added to 10 liters of a 30% salt solution in order to obtain a 15% salt solution? Put your answer in liters.

**Answer:** 30

E2. This influential writer and political thinker authored *The American Crisis*, *The Rights of Man*, and *The Age of Reason*. Who is this pivotal figure in the American Revolution who is best known for his pamphlet Common Sense, which argued for American independence and galvanized public support?

**Answer:** Thomas Paine

E3. This oceanic feature is a deep, steep-sided valley formed at convergent tectonic plate boundaries where one plate subducts under another. These are the deepest parts of the ocean, with the most notable example lying about 124 miles east of the Mariana Islands. Identify these features.

**Answer:** Oceanic trenches

E4. This act allowed the U.S. to lend or lease war supplies to any nation deemed vital to the defense of the United States. What is this act, signed into law in 1941, that effectively ended American neutrality in World War II before its formal entry into the war?

**Answer:** Lend-Lease Act of 1941

E5. These organisms capture solar energy through photosynthesis, converting it into organic compounds that form the base of most food chains. They produce the oxygen necessary for aerobic life and sustain ecosystems. What are these essential producers called?

**Answer:** Primary Producers (Also accept: Autotrophs or Photoautotrophs)

E6. **Math Computation:** Divide the following binomials by rationalizing the denominator:  $(5 - \sqrt{2}) / (3 + \sqrt{2})$  [the quantity 5 minus radical 2 over the quantity 3 plus radical 2]. Express your answer as in A plus B-I form.

**Answer:**  $17/7 - (8\sqrt{2})/7$  [17 over 7 minus 8 radical (square root) 2 over 7]

**Totals**

**Team 1:** \_\_\_\_\_    **Team 2:** \_\_\_\_\_

**OSSAA 2024-2025**  
**DISTRICT GAME 1**  
**EXTRA QUESTIONS**

E7. This Italian term refers to a method of cooking pasta until it is firm to the bite, providing a slight resistance when chewed. It is the preferred texture for many pasta dishes, ensuring the pasta retains its shape and doesn't become mushy. What is this term for perfectly cooked pasta?

**Answer:** Al Dente

E8. This groundbreaking musical, which premiered on Broadway in 1943, set a new standard for American musical theater by integrating song, dance, and story. Featuring songs like "Oh, What a Beautiful Mornin'," it was the first collaboration between Rodgers and Hammerstein. Name this musical.

**Answer:** *Oklahoma!*

E9. This Russian revolutionary leader, along with Vladimir Lenin, played a central role in the Bolshevik Revolution. He later became the founder and leader of the Red Army during the Russian Civil War. He was assassinated in Mexico, having spent years in exile from Soviet Russia. Who was this key figure in the Russian Revolution, who was killed in 1940?

**Answer:** Leon Trotsky

E10. This novel, published in 1942, follows a man who, after his mother's death, drifts into indifference, leading to an act of violence on a beach. His trial focuses on his detachment from societal norms, exploring themes of existentialism and absurdism. Identify this novel by Albert Camus.

**Answer:** *The Stranger*

**Totals**

**Team 1:** \_\_\_\_\_    **Team 2:** \_\_\_\_\_

**2024-2025**

**OSSAA  
DISTRICT  
CHAMPIONSHIP**

**High School**

**GAME 2**

**(BEGINNING OF GAME)**

Welcome to the Oklahoma Secondary School Activities Association Academic Bowl. You have previously been instructed regarding the rules. Please turn off all cell phones, tablets, or any device that can receive or send messages. Coaches, team members, and guests are to sit behind their team. Coaches, your protests need to be at the allowed times.

- Introduce yourself and the chief judge.
- **Give your four count.** – Do this for every match (Game Procedures A – 11)
- Have the chief judge check the buzzers.

Note (do not read):

Official closest to scorekeeper: Make sure that scorekeeper has **full names** of students and check after first few questions that they are fully shading in correct answers, and marking correct answers only.

Official closest to timekeeper: Make sure the timekeeper is starting the clock and clearing for the first few questions.

**OSSAA 2024-2025  
DISTRICT GAME 2  
FIRST QUARTER  
TOSS-UP QUESTIONS**

1. This Creek chief played a significant role in the history of Indian Territory in the early 19th century and signed the Treaty of Indian Springs in 1825, which ceded Creek lands in Georgia to the United States. Who is this chief whose actions led to his assassination by fellow Creeks who opposed the treaty?

**Answer:** William McIntosh

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

2. **Math Computation:** What is the exact value of the sine of pi radians?

**Answer:** 0

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

3. This program was created by Theodore Roosevelt and reflected his three major goals: conservation of natural resources, corporate law, and consumer protection. What is this deal aimed at helping middle-class citizens and involved attacking plutocracy and bad trusts while at the same time protecting business from the most extreme demands of organized labor?

**Answer:** The Square Deal

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

4. This British author and philosopher wrote *The Doors of Perception*, exploring his experiences with mescaline. He is best known for his dystopian novel *Brave New World*, set in a future society where technology and conditioning control life. Who is this author?

**Answer:** Aldous Huxley

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**Totals**

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**OSSAA 2024-2025  
DISTRICT GAME 2  
FIRST QUARTER  
TOSS-UP QUESTIONS**

5. These circuit laws, formulated by a 19th-century German physicist, consist of two principles: the junction rule, which states that the total current entering a junction equals the total current leaving, and the loop rule, which states that the sum of potential differences around any closed circuit is zero. Name these laws.

**Answer:** Kirchhoff's Circuit Laws (or Rules)

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

6. **Math Computation:** A coat costs \$90 at the outlet mall. If tax is 8.5%, what will be the total cost of the coat?

**Answer:** \$97.65

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

7. This musical term indicates a gradual increase in volume or intensity, often building anticipation and excitement in a composition. It directs musicians to gradually play louder. What is this term that represents a swelling of sound?

**Answer:** Crescendo

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

8. This grammatical term is a punctuation mark that is characterized by the use of three periods or dots. What is this mark that is meant to show that something has been cut or omitted from a sentence?

**Answer:** Ellipsis

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**Totals**

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**OSSAA 2024-2025**  
**DISTRICT GAME 2**  
**FIRST QUARTER**  
**TOSS-UP QUESTIONS**

9. This 16th-century Spanish conquistador led an expedition from 1540 to 1542 across the American Southwest in search of the Seven Cities of Gold. Although he didn't find the fabled riches, he provided early European accounts of the Grand Canyon and Great Plains. Name this explorer believed to be the first European to have crossed what is now Oklahoma.

**Answer:** Francisco Vásquez de Coronado

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

10. This spice, derived from the bark of a tropical evergreen tree, is commonly used in both sweet and savory dishes. It's a key ingredient in spice blends like garam masala and pumpkin pie spice. What is this aromatic spice that is often rolled into sticks called?

**Answer:** Cinnamon

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

11. **Math Computation:** Find all solutions for  $x$  in the following equation:  $\sqrt{2x + 5} = \sqrt{4x - 11}$  [read: the square root of the quantity  $2x$  plus 5 (end quantity) equals the square root of the quantity  $4x$  minus 11 (end quantity)].

**Answer:**  $x = 8$

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

12. In grammar, this term is used for a word or phrase that expresses emotion or a sudden feeling. What is this part of speech that includes words like "wow," "oh," and "ouch?"

**Answer:** Interjection

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**Totals**

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**OSSAA 2024-2025**  
**DISTRICT GAME 2**  
**FIRST QUARTER**  
**TOSS-UP QUESTIONS**

13. This medieval English monarch's reign involved conflicts with barons and the Catholic Church, leading to significant political and legal reforms. Who is this King who is best known for signing the Magna Carta in 1215, which limited royal power and laid the foundation for constitutional government?

**Answer:** King John of England

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

14. This bacterial communication mechanism allows cells to coordinate their behavior based on population density by secreting and detecting signaling molecules called autoinducers. This process synchronizes activities like biofilm formation and virulence. Name this process that regulates gene expression based on cell population density.

**Answer:** Quorum Sensing (requires both words)

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

15. This key Transcendentalist, naturalist, and philosopher explored themes of nature and self-reliance. He is best known for *Walden*, which details his experiment in simple living by Walden Pond, and for his essay *Civil Disobedience*, advocating for individual conscience. Name this author.

**Answer:** Henry David Thoreau

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

16. This process refers to the interaction between a solute and a solvent, forming a homogeneous mixture by breaking intermolecular bonds and establishing new interactions. It also historically describes the formal disbandment of institutions. Name this term describing how a substance becomes incorporated into a liquid.

**Answer:** Dissolution (Also accept: Solvation)

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**Totals**

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**OSSAA 2024-2025  
DISTRICT GAME 2  
FIRST QUARTER  
TOSS-UP QUESTIONS**

17. This American actor, a star of a popular 90s sitcom, passed away on October 28, 2023 due to drowning, possibly because of an overdose. Who is this actor who played Chandler Bing on *Friends*?

**Answer:** Matthew Perry

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

18. These structures, composed primarily of collagen fibers, transmit the force of muscle contractions to the skeleton, enabling movement. They are strong yet flexible and connect muscles to bones. Name these fibrous structures.

**Answer:** Tendons

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

19. **Science Computation:** What orbital shell is filled after filling the 6s orbital?

**Answer:** 4f

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

20. This contemporary musical tells the story of a high school senior dealing with social anxiety and the aftermath of a classmate's death. The production delves into themes of mental health, connection, and honesty. It premiered on Broadway in 2016, winning six Tony Awards, including Best Musical. Notable songs are "Waving Through a Window" and "You Will Be Found." What is this musical?

**Answer:** *Dear Evan Hansen*

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**Totals**

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**Moderator:** (Check score with chief judge and scorekeeper.)

**The score at the end of the first quarter is:**

(school name) \_\_\_\_\_ has \_\_\_\_\_ points

(school name) \_\_\_\_\_ has \_\_\_\_\_ points

**Coaches you may approach your team for 30 seconds to assist in any questions.**

**This is not a charged time out. (Pause briefly for protests.) Are there any questions?**

**Chief Judge:** (Restate the score if they have changed because of protests.)

(In case of a tie after the first quarter) **Since the score is tied, we will continue with additional toss-up questions until one team scores.** (Restate the score if necessary)

### 2<sup>nd</sup> Quarter – Sixty Second Instructions

**Moderator** **The second quarter of sixty second questions is about to begin. Everyone please be seated.**

**The categories for the 2<sup>nd</sup> quarter are: (Brief description)**

1. MUSIC- TERMS
2. HISTORY- UNESCO WORLD HERITAGE SITES
3. CURRENT EVENTS- WORLD LEADERS

**Teams, you may briefly make substitutions without conferring. (You have 20 seconds to announce your substitutions). Your 20 seconds begins now.**

**Because (school name) is ahead at this time, they will have the choice to play or defer until the 4<sup>th</sup> quarter.**

- **You will have 10 seconds to make your decision. (School name) do you choose to play or defer?**
- **(Address playing team) You will have 10 seconds to choose your category (re-read the above categories)**
- **(If the 10 second buzzer goes off, the moderator will ask for an immediate response.)**
- **Since (school name) is playing first, they may move to a position behind their captain. (Other team) will put down their pencils until their time to play. Captain, all answers will come from you unless you defer to another student.**

**Moderator** **(School name) You have your choice of the two remaining categories. (Other team) put down your pencils. (Active school) may move to a position behind your captain. You will have 10 seconds to make your choice.**

**The selections are:**

- 1.
- 2.

**Moderator** (Check the score with the chief judge and score keeper.)

**The score at the end of the first half is:**

(School name) \_\_\_\_\_ has \_\_\_\_\_ points

(School name) \_\_\_\_\_ has \_\_\_\_\_ points.

**Are there any questions? Coaches you may approach your team for 30 seconds to assist in any questions. This is not a charged time out. (Pause briefly for protests.)**

**This concludes the first half of play. We will pause for substitutions**

**Substituting team members, please check in with the scorekeeper. WE WILL NOW BEGIN 3<sup>RD</sup> QUARTER TOSS-UP QUESTIONS.**

**OSSAA 2024-2025  
DISTRICT GAME 2  
SECOND QUARTER  
60-SECOND QUESTIONS**

**Music - Terms**

**Directions:** Given a brief description of a music term, name the term.

- |  |               |
|--|---------------|
| 1. Italian term that means "forcing" or "forced"                           | Sforzando     |
| 2. A smooth, connected style of playing notes                              | Legato        |
| 3. A form of polyphonic composition with a recurring subject               | Fugue         |
| 4. A short, recurring musical phrase or theme                              | Motif         |
| 5. A rapid alternation between two adjacent notes                          | Trill         |
| 6. The main melodic line in a piece, often repeated                        | Theme         |
| 7. Piece for one or more solo instruments with<br>orchestral accompaniment | Concerto      |
| 8. A passage that brings a piece or movement to a conclusion               | Coda          |
| 9. A musical scale with half-step intervals                                | Chromatic     |
| 10. The process of creating music spontaneously in performance             | Improvisation |

**Extra Questions**

- |  |           |
|--|-----------|
| E1. A vocal piece without instrumental accompaniment | Acappella |
| E2. A gradual increase in volume or intensity        | Crescendo |

**Totals**

Team 1: \_\_\_\_\_ Team 2: \_\_\_\_\_

**OSSAA 2024-2025  
DISTRICT GAME 2  
SECOND QUARTER  
60-SECOND QUESTIONS**

## History - UNESCO World Heritage Sites

**Directions:** Given the clue, name the UNESCO World Heritage Site

- |  |                           |
|--|---------------------------|
| 1. World's largest collection of coral reefs located Australia   | Great Barrier Reef        |
| 2. Site that contains the remains of the Parthenon   | Acropolis of Athens       |
| 3. Ruins of a Roman city buried by the eruption of Vesuvius  | Pompeii                   |
| 4. Life-sized figures buried with a Chinese emperor  | Terracotta Army           |
| 5. Egyptian site comprised of two massive rock shrines   | <u>Abu Simbel</u> Temples |
| 6. Ancient Incan city high in the Andes Mountains referred to as the "Lost City of the Incas"                    | Machu Picchu              |
| 7. White marble mausoleum built by the Emperor Shah Jahan  | Taj Mahal                 |
| 8. Largest religious monument in the world in Cambodia   | Angkor Wat                |
| 9. UK site featuring a ring of standing stones   | Stonehenge                |
| 10. Site that includes Pyramids of the Sun and the Moon, Temple of the Feathered Serpent, and Avenue of the Dead | Teotihuacan               |

## Extra Questions

- E1. Ancient city in Jordan carved into red sandstone cliffs,  
often referred to as the "Rose City" Petra

E2. Fortified complex at the heart of Moscow,  
including palaces, cathedrals, and government buildings Kremlin (Red Square)

## Totals

## **Team 1:**      **Team 2:**

**OSSAA 2024-2025  
DISTRICT GAME 2  
SECOND QUARTER  
60-SECOND QUESTIONS**

**Current Events - World Leaders**

**Directions:** Given their rank and country, name the current world leader as of September 1, 2024.

- |                                     |                           |
|-------------------------------------|---------------------------|
| 1. Prime Minister of Canada         | Justin <u>Trudeau</u>     |
| 2. Chancellor of Germany            | Olaf <u>Scholz</u>        |
| 3. Prime Minister of the UK         | Keir <u>Starmer</u>       |
| 4. President of South Korea         | Yoon Suk <u>Yeol</u>      |
| 5. Prime Minister of Denmark        | Mette <u>Frederiksen</u>  |
| 6. President of Ukraine             | Volodymyr <u>Zelensky</u> |
| 7. Prime Minister of India          | Narendra <u>Modi</u>      |
| 8. President of Syria               | Bashar <u>al-Assad</u>    |
| 9. Prime Minister of Cameroon       | Joseph <u>Ngute</u>       |
| 10. Prime Minister of Liechtenstein | Daniel <u>Risch</u>       |

**Extra Questions**

- |                                   |                       |
|-----------------------------------|-----------------------|
| E1. President of Eritrea          | Isaias <u>Afwerki</u> |
| E2. Supreme Leader of North Korea | Kim Jong <u>Un</u>    |

**Totals**

**Team 1: \_\_\_\_\_ Team 2: \_\_\_\_\_**

**OSSAA 2024-2025  
DISTRICT GAME 2  
THIRD QUARTER  
TOSS-UP QUESTIONS**

21. This term refers to journalists, writers, and photographers in the Progressive Era of the United States who claimed to expose corruption in institutions, often through sensationalist publications. What is this term that was given to people like Upton Sinclair and Ida Wells?

**Answer:** Muckrakers

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

22. This American author, regarded as the "Father of American Literature," was born in 1783. He is best known for his satirical tales that capture early American folklore and culture. His works often feature elements of the supernatural and have become iconic in American literary history. Who is this author of "The Legend of Sleepy Hollow" and "Rip Van Winkle?"

**Answer:** Washington Irving

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

23. **Math Computation:** Solve the following logarithmic equation for x:  $\log_2(4) + \log_2(x - 4) = 3$  [read as: log base 2 of 4 plus log base 2 of the quantity x minus 4 (end quantity) equals 3].

**Answer:** (x=) 6

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

24. This moon of Jupiter, one of the largest in the solar system, has a smooth, icy surface and a global subsurface ocean potentially holding twice as much water as Earth's oceans. It orbits Jupiter every 3.5 days and is tidally locked. Identify this Galilean moon, named after a lover of Zeus.

**Answer:** Europa

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**Totals**

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**OSSAA 2024-2025  
DISTRICT GAME 2  
THIRD QUARTER  
TOSS-UP QUESTIONS**

25. This principle is fundamental to the U.S. Constitution, preventing any one branch of government from gaining excessive power by allowing each branch—executive, legislative, and judicial—to limit the others. What is this concept that ensures a balance of and maintains a separation of powers?

**Answer:** Checks and Balances

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

26. This powerful surface current originates near the Caribbean, flows north along the eastern U.S. coast, and crosses the Atlantic toward Europe. It moderates temperatures, bringing warm water to northern Europe. Identify this warm current that is part of the North Atlantic Gyre.

**Answer:** Gulf Stream

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

27. **Math Computation:** A card is drawn at random from a standard 52 card deck. What are the reduced odds that it will be a 2, 3, or 7?

**Answer:** 3 to 10

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

28. In this test participants are asked to describe what each image resembles, and their responses are interpreted to reveal patterns of thought, unconscious desires, and potential psychological disorders. What is this test, named after a Swiss psychiatrist, that uses ambiguous inkblots to probe a person's inner world?

**Answer:** Rorschach (Inkblot) Test

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**Totals**

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**OSSAA 2024-2025  
DISTRICT GAME 2  
THIRD QUARTER  
TOSS-UP QUESTIONS**

29. This civil war was also known as the Red Sticks war and was a regional conflict between opposing Native American factions, European powers, and the United States during the early 19th century that began with the Fort Mims Massacre. What is this war that ended in August 1814 with the signing of the Treaty of Fort Jackson?

**Answer:** Creek War

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

30. This player is known for her exceptional scoring ability, making her a standout in NCAA women's basketball. In 2023, she led the University of Iowa to the Final Four and was named the Naismith Player of the Year. Who is this star guard who is also the first player in NCAA tournament history to record a 40-point triple-double?

**Answer:** Caitlyn Clark

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

31. **Math Computation:** A transversal cuts across two parallel lines. If the measure of one interior angle is 33 degrees, what is the measure, in degrees, of its alternate interior angle?

**Answer:** 33

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

32. This two-word term, coined by James Weldon Johnson, a civil rights activist and author who was employed by the NAACP, is used to describe a period in 1919 when there were many racially motivated riots and white supremacist terrorist attacks in the United States, including the Chicago Race Riots, the Elaine massacre, and the Bisbee Riot.

**Answer:** Red Summer

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**Totals**

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**OSSAA 2024-2025  
DISTRICT GAME 2  
THIRD QUARTER  
TOSS-UP QUESTIONS**

33. This composer, one of the most influential figures in 20th-century music, revolutionized classical music with his groundbreaking ballet scores. Known for works like *The Firebird* and *Petrushka*, his 1913 ballet *The Rite of Spring* caused a riot at its Paris premiere. Name this Russian composer.

**Answer:** Igor Stravinsky

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

34. This American author and essayist is best known for his contributions to children's literature and as a co-author of a widely used English style guide. Who is this author whose works include *Charlotte's Web* and *Stuart Little*?

**Answer:** E.B. White

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

35. This musical, adapted from a 1984 film, follows a teenager who moves to a small town where dancing is banned by a local preacher. The plot centers on his efforts to overturn the ban. Name this musical, featuring the hit title track by Kenny Loggins.

**Answer:** Footloose

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

36. This conjunction type connects words, phrases, or clauses that are grammatically equal or similar. Examples include "and," "but," and "or," which link items of the same kind. What is the term for these connectors that join parts of a sentence with equal importance?

**Answer:** Coordinating Conjunction

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

**Totals**

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

**OSSAA 2024-2025  
DISTRICT GAME 2  
THIRD QUARTER  
TOSS-UP QUESTIONS**

37. This French culinary term translates to "with juice" and refers to serving meat, particularly roast beef, with its natural juices collected during the cooking process. What is this broth that is used as a dipping sauce or poured over the meat to enhance flavor, and is a staple in dishes like the French Dip sandwich?

**Answer:** Au Jus

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

38. **Math Computation:** Identify the next 3 terms in the geometric sequence that begins:  $\frac{3}{5}, 3, 15, \dots$

**Answer:** 75, 375, 1875

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

39. This novella, first published in 1898, is a Gothic classic that explores psychological terror and ambiguity. It follows a governess who becomes convinced that the children in her care are being influenced by malevolent spirits. Name this novella by Henry James.

**Answer:** *The Turn of the Screw*

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

40. This astronomical object forms from the remnants of a massive star after a supernova explosion. Name this compact star which is incredibly dense, with a mass greater than the Sun compressed into a 20-kilometer sphere.

**Answer:** Neutron Star

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

**Totals**

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

**Moderator** (Check score with chief judge and scorekeeper.)

**The score at the end of the third quarter is:**

(school name) \_\_\_\_\_ has \_\_\_\_\_ points

(school name) \_\_\_\_\_ has \_\_\_\_\_ points

**Coaches you may approach your team for 30 seconds to assist in any questions.**

**This is not a charged time out. (Pause briefly for protests.) Are there any questions?**

**Chief Judge** (Restate the score if they have changed because of protests.)

#### **4<sup>th</sup> Quarter – Sixty Second Instructions**

**Moderator** **The fourth quarter of sixty second questions is about to begin. Everyone please be seated.**

**The categories for the 4<sup>th</sup> quarter are: (Brief description)**

1. HISTORY- U.S. PRESIDENTS BY VICE PRESIDENT
2. ANATOMY- HUMAN BODY SYSTEMS
3. FINE ARTS- ARTISTS AND THEIR WORKS

**Teams, you may briefly make substitutions without conferring. (You have 20 seconds to announce your substitutions). Your 20 seconds begins now.**

**Because (school name) chose first in the 2<sup>nd</sup> quarter, (school name) will have the first choice this quarter.**

**You will have 10 seconds to choose your category.**

**(Active team) may move to a position behind the captain. (Other team) put down your pencils. Captain, all answers will come from you unless you defer to another student.**

**Moderator** (School name) **You will have your choice of the two remaining categories. (Other team) put down your pencils. (Active school) may move to a position behind your captain. You will have 10 seconds to make your selection.**

**The selections are:**

- 1.
- 2.

**Moderator** (Check the score with the chief judge and score keeper) **The score at the end of the game is:**

(School name) \_\_\_\_\_ has \_\_\_\_\_ points

(School name) \_\_\_\_\_ has \_\_\_\_\_ points

**Are there any questions? Coaches you may approach your team for 30 seconds to assist in any questions. This is not a charged time out.**

**(Restate the score if it has changed)**

**(If the game is tied, sudden death questions will be asked.)**

**Because the game is tied, sudden death toss-up questions will be asked. Would either team like to make substitutions? Again, this is not a time for coaches to confer with their team. (Pause for substitutions.)**

**Moderator** **This concludes the game. Congratulations to both teams. Please check your bracket and move to the next round as quickly as possible.**

**OSSAA 2024-2025  
DISTRICT GAME 2  
FOURTH QUARTER  
60-SECOND QUESTIONS**

**History - U.S. Presidents by Vice President**

**Directions:** Given the term of office and vice president, name the President.

- |  |                             |
|--|-----------------------------|
| 1. 1974-1977, Nelson Rockefeller               | Gerald <u>Ford</u>          |
| 2. 1857-1861, John C. Breckinridge             | James <u>Buchanan</u>       |
| 3. 1989-1993, Dan Quayle                       | George <u>H.W. Bush</u>     |
| 4. 1801-1809, Aaron Burr and George Clinton    | Thomas <u>Jefferson</u>     |
| 5. 1825-1829, John C. Calhoun                  | John <u>Quincy Adams</u>    |
| 6. 1849-1850, Millard Fillmore                 | Zachary <u>Taylor</u>       |
| 7. 1869-1877, Schuyler Colfax and Henry Wilson | Ulysses S. <u>Grant</u>     |
| 8. 1885-1889, Thomas A. Hendricks              | Grover <u>Cleveland</u>     |
| 9. 1909-1913, James S. Sherman                 | William Howard <u>Taft</u>  |
| 10. 1953-1961, Richard Nixon                   | Dwight D. <u>Eisenhower</u> |

**Extra Questions**

- |  |                            |
|--|----------------------------|
| E1. 1969-1974, Spiro Agnew and Gerald Ford | Richard <u>Nixon</u>       |
| E2. 1877-1881, William A. Wheeler          | Rutherford B. <u>Hayes</u> |

**Totals**

**Team 1: \_\_\_\_\_ Team 2: \_\_\_\_\_**

**OSSAA 2024-2025  
DISTRICT GAME 2  
FOURTH QUARTER  
60-SECOND QUESTIONS**

**Anatomy - Human Body Systems**

**Directions:** Identify the human body system to which each of the following anatomical items belongs. Examples would be circulatory, skeletal, etc.

- |                        |               |
|------------------------|---------------|
| 1. Gallbladder         | Digestive     |
| 2. Maxilla             | Skeletal      |
| 3. Biceps              | Muscular      |
| 4. Capillaries         | Circulatory   |
| 5. Sweat Glands        | Integumentary |
| 6. Spleen              | Lymphatic     |
| 7. Cerebellum          | Nervous       |
| 8. Thymus              | Immune        |
| 9. Parotid Glands      | Digestive     |
| 10. Parathyroid Glands | Endocrine     |

**Extra Questions**

- |              |             |
|--------------|-------------|
| E1. Aorta    | Circulatory |
| E2. Adrenals | Endocrine   |

**Totals**

**Team 1: \_\_\_\_\_ Team 2: \_\_\_\_\_**

**OSSAA 2024-2025  
DISTRICT GAME 2  
FOURTH QUARTER  
60-SECOND QUESTIONS**

**Fine Arts - Artists and Their Works**

**Directions:** Given a popular work of art, name the artist.

1. *The Birth of Venus* Sandro Botticelli
2. *The Garden of Earthly Delights* Hieronymus Bosch
3. *The Night Watch* Rembrandt van Rijn
4. *The Persistence of Memory* Salvador Dalí
5. *The Raft of the Medusa* Théodore Géricault
6. *Liberty Leading the People* Eugène Delacroix
7. *The Arnolfini Portrait* Jan van Eyck
8. *The Scream* Edvard Munch
9. *The Burial of the Count of Orgaz* El Greco
10. *The Third of May 1808* Francisco Goya

**Extra Questions**

- E1. *Las Meninas* Diego Velázquez
- E2. *Olympia* Édouard Manet

**Totals**

**Team 1: \_\_\_\_\_ Team 2: \_\_\_\_\_**

**OSSAA 2024-2025  
DISTRICT GAME 2  
EXTRA QUESTIONS**

E1. This economist served as the Chairman of the Federal Reserve from 1987 to 2006, overseeing the U.S. monetary policy during a period of rapid economic growth and the emergence of the Internet bubble. Who is this economist who was appointed by President Reagan, and advocated for free-market policies while having a significant influence on global financial systems?

**Answer:** Alan Greenspan

E2. This French composer, linked with the Impressionist movement, is renowned for his innovative harmony and emphasis on tone color and atmosphere. Name this composer whose famous works include *Clair de Lune* and *La Mer*.

**Answer:** Claude Debussy

E3. This Serbian basketball player was drafted by the Denver Nuggets in the second round of the 2014 NBA Draft and has since become one of the most versatile and skilled centers in NBA history. He won back-to-back NBA MVP awards in 2021 and 2022 and led the Nuggets to their first NBA championship in 2023. Known for his exceptional passing and scoring, who is this player?

**Answer:** Nikola Jokić

E4. **Math Computation:** Simplify:  $(3x^2 - 8x - 16)/(x - 4)$  [read: the quantity  $3x$  squared minus  $8x$  minus  $16$  end quantity over the quantity  $x$  minus  $4$ ].

**Answer:**  $3x + 4$

E5. This process, a natural part of a glacier's life cycle, occurs when large chunks of ice break off from the edge of a glacier or ice shelf and fall into the ocean, forming icebergs. It is often accompanied by cracking sounds and waves. Identify this process.

**Answer:** Calving

**Totals**

**Team 1:** \_\_\_\_\_    **Team 2:** \_\_\_\_\_

**OSSAA 2024-2025  
DISTRICT GAME 2  
EXTRA QUESTIONS**

E6. This poem, composed in 1819, reflects on the timeless beauty of an ancient artifact, describing scenes of lovers, musicians, and religious ceremonies. It concludes with the famous lines, "Beauty is truth, truth beauty." Name this poem by John Keats.

**Answer:** "Ode on a Grecian Urn"

E7. **Math Computation:** Two trains leave the station at the same time, one traveling north at 20 miles per hour, while the other travels south at 35 miles per hour. How many miles apart will the two trains be after 4 and a half hours?

**Answer:** 247.5 miles

E8. This type of volcanic eruption is characterized by gentle, non-explosive lava flows, where fluid basaltic lava emerges from fissures or vents, often forming broad shield volcanoes. Named after the volcanic activity in the Islands, it is known for steady lava flows. Identify this eruption type.

**Answer:** Hawaiian eruption

E9. This amendment to the U.S. Constitution, ratified in 1964, prohibits the use of poll taxes in federal elections, a practice that had been used to disenfranchise minority voters, particularly in Southern states. Name this amendment, which helped ensure greater access to voting.

**Answer:** Twenty-Fourth Amendment

E10. This beloved children's character, introduced in a 1926 book, lives in the Hundred Acre Wood and is known for his love of honey and gentle nature. Who was this bear, created by A.A. Milne, who was inspired by the author's son's stuffed toys?.

**Answer:** Winnie-the-Pooh

**Totals**

**Team 1:** \_\_\_\_\_    **Team 2:** \_\_\_\_\_

**2024-2025**

**OSSAA  
DISTRICT  
CHAMPIONSHIP**

**High School**

**GAME 3**

(BEGINNING OF GAME)

Welcome to the Oklahoma Secondary School Activities Association Academic Bowl. You have previously been instructed regarding the rules. Please turn off all cell phones, tablets, or any device that can receive or send messages. Coaches, team members, and guests are to sit behind their team. Coaches, your protests need to be at the allowed times.

- Introduce yourself and the chief judge.
- **Give your four count.** – Do this for every match (Game Procedures A – 11)
- Have the chief judge check the buzzers.

Note (do not read):

Official closest to scorekeeper: Make sure that scorekeeper has **full names** of students and check after first few questions that they are fully shading in correct answers, and marking correct answers only.

Official closest to timekeeper: Make sure the timekeeper is starting the clock and clearing for the first few questions.

**OSSAA 2024-2025  
DISTRICT GAME 3  
FIRST QUARTER  
TOSS-UP QUESTIONS**

1. This 19th-century French composer is renowned for his innovative orchestration and contributions to the Romantic movement. Name this composer whose most famous work, *Symphonie fantastique*, tells the story of an artist's unrequited love and descent into madness.

**Answer:** Hector Berlioz

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

2. This novel, published in 1928, vividly depicts the brutal realities of World War I through the experiences of a young German soldier, Paul Bäumer. It conveys a powerful anti-war message, leading to its banning in Nazi Germany. Name this novel by Erich Maria Remarque.

**Answer:** *All Quiet on The Western Front*

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

3. **Math Computation:** Solve for x in the following proportion:  $(x + 2)/(x + 5) = 9/15$  [the quantity x plus 2 (end quantity) over the quantity x plus 5 (end quantity) equals 9 over 15].

**Answer:** ( $x =$ ) 5/2 or 2.5

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

4. This American ska punk band from Long Beach, California, achieved mainstream success with their self-titled third album. Tragically, their lead singer Bradley Nowell died of a heroin overdose shortly before the album's release in 1996. Which band is known for hits like Santeria and What I Got?

**Answer:** *Sublime*

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

**Totals**

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

**OSSAA 2024-2025  
DISTRICT GAME 3  
FIRST QUARTER  
TOSS-UP QUESTIONS**

5. This term in chemistry describes materials that are composed of only one type of particle. Such materials have a constant composition and distinct chemical properties and can exist as either elements or compounds. What is this term used to define substances like gold and water, which cannot be separated into their components by physical separation methods?

**Answer:** Pure substance

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

6. **Math Computation:** A ladder leans against the side of the house, forming a 60 degree angle with the side of the house. If the ladder is 12 feet long, how far away from the side of the house is the base of the ladder in feet?

**Answer:** 6

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

7. This novel, set in Nazi Germany during World War II, is narrated by Death and follows a young girl named Liesel Meminger, who finds solace in stealing and sharing books amid the horrors of war. Published in 2005, it became a modern classic. Name this novel by Markus Zusak.

**Answer:** *The Book Thief*

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

8. This precious metal, known for its ability to absorb hydrogen, is useful in hydrogen storage, purification, and as a catalyst in hydrogenation reactions. It's also used in jewelry, electronics, and catalytic converters to reduce emissions. Name this platinum group metal with the symbol 'Pd'.

**Answer:** Palladium

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

**Totals**

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

**OSSAA 2024-2025  
DISTRICT GAME 3  
FIRST QUARTER  
TOSS-UP QUESTIONS**

9. This 1923 play dramatizes the life and trial of a historical figure who led the French to victory during the Hundred Years' War and was later canonized as a saint. Name this play by George Bernard Shaw.

**Answer:** Saint Joan

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

10. **Math Computation:** Bart works at the shoe store and gets an employee discount of 20%. What will be the cost, before tax, of boots that normally cost \$190?

**Answer:** \$152

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

11. This Han Dynasty scholar integrated Confucianism with cosmology, particularly the Five Elements and yin-yang theories, shaping it into the state ideology of imperial China. Who is this philosopher whose influence established Confucianism as the foundation of Chinese government and education, leading to the civil service examination system?

**Answer:** Dong Zhongshu

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

12. This German physicist revolutionized medical diagnostics and earned the first Nobel Prize in Physics in 1901. Name this scientist who discovered X-rays while experimenting with cathode rays.

**Answer:** Wilhelm Röntgen

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

13. **Math Computation:** Solve the following proportion for M:  $9/(M + 5) = 18/27$  {9 over the quantity M plus 5 (end quantity) equals 18 over 27}.

**Answer:** (M=) 17/2 or 8.5

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

**Totals**

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

**OSSAA 2024-2025  
DISTRICT GAME 3  
FIRST QUARTER  
TOSS-UP QUESTIONS**

14. This novel, first published in 1979, follows a young boy named Bastian Balthazar Bux who discovers a magical book that transports him to the mystical land of Fantastica. He embarks on a quest to save it from the force of Nothingness. Name this fantasy novel by Michael Ende.

**Answer:** *The Neverending Story*

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

15. This U-shaped structure within the nephron of the kidney is crucial for concentrating urine. It consists of a descending limb, permeable to water, and an ascending limb, impermeable to water but actively transporting sodium and chloride. Name this part of the nephron.

**Answer:** Loop of Henle

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

16. This bank was the first chartered bank in the United States of America. What is this bank that was chartered in 1781 and opened in 1782 in Philadelphia, and served as the first de facto central bank in America?

**Answer:** Bank of North America

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

17. This technology and AI company's market capitalization overtook Amazon in 2024. What is this company that is known for products like its RTX graphic cards and the Shield?

**Answer:** Nvidia

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

**Totals**

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

**OSSAA 2024-2025  
DISTRICT GAME 3  
FIRST QUARTER  
TOSS-UP QUESTIONS**

18. This event, beginning in 1868, ended the Tokugawa shogunate and restored imperial rule in Japan. What is this transformative period in Japanese history which led to rapid modernization, the abolition of the feudal system, and the establishment of a centralized government and modern military?

**Answer:** Meiji Restoration

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

19. This 1864 novel follows a German professor, his nephew, and their guide as they explore a subterranean world beneath the Earth's surface, encountering prehistoric creatures and underground oceans. Name this early science fiction novel by Jules Verne.

**Answer:** *Journey to the Center of the Earth*

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

20. Name this government-imposed limit on the price of a good or service, implemented to prevent prices from rising above a certain level, often leading to shortages, reduced supply, and black markets when set below the market equilibrium price.

**Answer:** Price Ceiling

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**Totals**

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**Moderator:** (Check score with chief judge and scorekeeper.)

**The score at the end of the first quarter is:**

(school name) \_\_\_\_\_ has \_\_\_\_\_ points

(school name) \_\_\_\_\_ has \_\_\_\_\_ points

**Coaches you may approach your team for 30 seconds to assist in any questions.**

**This is not a charged time out.** (Pause briefly for protests.) **Are there any questions?**

**Chief Judge:** (Restate the score if they have changed because of protests.)

**(In case of a tie after the first quarter) Since the score is tied, we will continue with additional toss-up questions until one team scores.** (Restate the score if necessary)

#### 2<sup>nd</sup> Quarter – Sixty Second Instructions

**Moderator** *The second quarter of sixty second questions is about to begin. Everyone please be seated.*

*The categories for the 2<sup>nd</sup> quarter are: (Brief description)*

1. LITERATURE- BRITISH AUTHORS AND THEIR WORKS
2. MATH- QUADRATICS- FACTORS OF QUADRATICS
3. COMPUTER SCIENCE- COMPUTER ACRONYMS

**Teams, you may briefly make substitutions without conferring. (You have 20 seconds to announce your substitutions).** Your 20 seconds begins now.

**Because (school name) is ahead at this time, they will have the choice to play or defer until the 4<sup>th</sup> quarter.**

- **You will have 10 seconds to make your decision. (School name) do you choose to play or defer?**
- **(Address playing team) You will have 10 seconds to choose your category (re-read the above categories)**
- **(If the 10 second buzzer goes off, the moderator will ask for an immediate response.)**
- **Since (school name) is playing first, they may move to a position behind their captain. (Other team) will put down their pencils until their time to play. Captain, all answers will come from you unless you defer to another student.**

**Moderator** *(School name) You have your choice of the two remaining categories. (Other team) put down your pencils. (Active school) may move to a position behind your captain. You will have 10 seconds to make your choice.*

**The selections are:**

- 1.
- 2.

**Moderator** (Check the score with the chief judge and score keeper.)

**The score at the end of the first half is:**

(School name) \_\_\_\_\_ has \_\_\_\_\_ points

(School name) \_\_\_\_\_ has \_\_\_\_\_ points.

**Are there any questions? Coaches you may approach your team for 30 seconds to assist in any questions. This is not a charged time out.** (Pause briefly for protests.)

**This concludes the first half of play. We will pause for substitutions**

**Substituting team members, please check in with the scorekeeper. WE WILL NOW BEGIN 3<sup>RD</sup> QUARTER TOSS-UP QUESTIONS.**

**OSSAA 2024-2025  
DISTRICT GAME 3  
SECOND QUARTER  
60-SECONDS QUESTIONS**

**Literature - British Authors and Their Works**

**Directions:** Given the title of a British literary work, name the author.

1. *A Handful of Dust* Evelyn Waugh
2. *Captains Courageous* Rudyard Kipling
3. *Chrome Yellow* Aldous Huxley
4. *David Copperfield* Charles Dickens
5. *Frankenstein* Mary Shelley
6. *I'm the King of the Castle* Susan Hill
7. *Jamaica Inn* Daphne du Maurier
8. *King Rat* James Clavell
9. *Lord Jim* Joseph Conrad
10. *Mansfield Park* Jane Austen

**Extra Questions:**

- E1. *Of Human Bondage* W. Somerset Maugham
- E2. *Pilgrim's Progress* John Bunyan

**Totals**

**Team 1: \_\_\_\_\_ Team 2: \_\_\_\_\_**

**OSSAA 2024-2025  
DISTRICT GAME 3  
SECOND QUARTER  
60-SECONDS QUESTIONS**

**MATH - QUADRATICS - FACTORS OF QUADRATICS**

**Directions:** Find the factors of each of the following quadratic expressions. {Moderator – the answers can be in either order, but they must have both.}

- |                     |                      |
|---------------------|----------------------|
| 1. $x^2 + 6x + 8$   | $x + 2$ and $x + 4$  |
| 2. $x^2 + 5x + 6$   | $x + 3$ and $x + 2$  |
| 3. $x^2 + x - 20$   | $x + 5$ and $x - 4$  |
| 4. $x^2 + 4x - 21$  | $x + 7$ and $x - 3$  |
| 5. $x^2 - 14x + 45$ | $x - 9$ and $x - 5$  |
| 6. $3x^2 + 2x - 1$  | $3x - 1$ and $x + 1$ |
| 7. $x^2 - 20x + 99$ | $x - 9$ and $x - 11$ |
| 8. $2x^2 + 5x - 3$  | $2x - 1$ and $x + 3$ |
| 9. $x^2 + 9x + 18$  | $x + 6$ and $x + 3$  |
| 10. $x^2 - 7x + 12$ | $x - 3$ and $x - 4$  |

**Extra Questions:**

- |                     |                      |
|---------------------|----------------------|
| E1. $x^2 - 9x - 52$ | $x - 13$ and $x + 4$ |
| E2 $x^2 + 8x + 16$  | $x + 4$ and $x + 4$  |

**Totals**

**Team 1: \_\_\_\_\_ Team 2: \_\_\_\_\_**

**OSSAA 2024-2025  
DISTRICT GAME 3  
SECOND QUARTER  
60-SECONDS QUESTIONS**

**Computer Science - Computer Acronyms**

**Directions:** Identify the full meanings of each of the following acronyms that are used in computer science.

- |                         |  |
|-------------------------|--|
| 1. RAM                  | Random Access Memory                               |
| 2. GUI [gooey]          | Graphical User Interface                           |
| 3. CD-ROM [cee dee rom] | Compact Disk, Read Only Memory                     |
| 4. BIOS                 | Basic Input/Output System                          |
| 5. HTML                 | Hyper-Text Markup Language                         |
| 6. FTP                  | File Transfer Protocol                             |
| 7. SSD                  | Solid State Drive                                  |
| 8. ISP                  | Internet Service Provider                          |
| 9. ASCII [a·skee]       | American Standard Code for Information Interchange |
| 10. DDR                 | Double Data Rate                                   |

**Extra Questions:**

- |         |                                   |
|---------|-----------------------------------|
| E1. PCI | Peripheral Component Interconnect |
| E2. USB | Universal Serial Bus              |

**Totals**

**Team 1:\_\_\_\_\_ Team 2:\_\_\_\_\_**

**OSSAA 2024-2025  
DISTRICT GAME 3  
THIRD QUARTER  
TOSS-UP QUESTIONS**

21. Name this Austrian neurologist, regarded as the founder of psychoanalysis, known for his theories on the unconscious mind, including the id, ego, and superego, and for his work on dream interpretation and the Oedipus complex.

**Answer:** Sigmund Freud

**Team 1:** \_\_\_\_\_

**Team 2:** \_\_\_\_\_

22. This section of the U.S. Constitution allows the Constitution to be amended, requiring approval by a supermajority of Congress and the states. It has allowed the Constitution to evolve over time while maintaining its foundational structure. Which article outlines this process?

**Answer:** Article Five

**Team 1:** \_\_\_\_\_

**Team 2:** \_\_\_\_\_

23. **Math Computation:** Solve the following logarithmic equation for x:  $\log_3(x) = 5$  [log base 3 of x equals 5].

**Answer:** (x =) 243

**Team 1:** \_\_\_\_\_

**Team 2:** \_\_\_\_\_

24. Name this British author, best known for retelling Arthurian legends in a series of novels that begins with a young boy named "Wart," who becomes King Arthur, and blends humor, fantasy, and historical detail, culminating in the rise and fall of Camelot.

**Answer:** T.H. White

**Team 1:** \_\_\_\_\_

**Team 2:** \_\_\_\_\_

**Totals**

**Team 1:** \_\_\_\_\_ **Team 2:** \_\_\_\_\_

**OSSAA 2024-2025  
DISTRICT GAME 3  
THIRD QUARTER  
TOSS-UP QUESTIONS**

25. Identify this phenomenon in quantum mechanics where particles interact in such a way that their quantum states are interconnected, even when separated by large distances. Actions on one particle affect the other, a concept Albert Einstein called “spooky action at a distance.”

**Answer:** Quantum Entanglement

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

26. This enigmatic character from J.R.R. Tolkien's legendarium is known for his immunity to the One Ring's power. Living in the Old Forest near the Shire with his wife, Goldberry, he is joyful and mysterious, sparking debate about his true nature. Name this character.

**Answer:** Tom Bombadil

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

27. This 1968 experimental film stars The Monkees and serves as a theatrical spin-off from their TV show. Initially unpopular due to its lack of a clear plot and odd moments, it has since been reevaluated as a satire of the music industry. Name this film, directed by Bob Rafelson, featuring original songs like *The Porpoise Song* and *As We Go Along*.

**Answer:** Head

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

28. **Math Computation:** What is the exact value of the cotangent of 210 degrees?

**Answer:**  $\sqrt{3}$  [square root of 3 or radical 3]

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

**Totals**

**Team 1:**\_\_\_\_\_ **Team 2:**\_\_\_\_\_

**OSSAA 2024-2025  
DISTRICT GAME 3  
THIRD QUARTER  
TOSS-UP QUESTIONS**

29. This microeconomic concept represents the additional cost incurred when producing one more unit of a good or service, calculated by the change in total costs divided by the change in quantity produced. It is crucial for pricing and production decisions. Name this essential microeconomic term.

**Answer:** Marginal Cost

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

30. This psychological theory proposes that human motivation is driven by fulfilling a sequence of requirements in a specific order. Starting with basic requirements like physiological and safety, individuals progress to higher-level needs such as love, esteem, and self-actualization. Name this theory introduced by Abraham Maslow,

**Answer:** Maslow's Hierarchy of Needs

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

31. This novel, set in 15th-century Paris, follows characters connected to a large Cathedral, including a deformed bell ringer and a Romani woman. It explores social injustice, unrequited love, and the destructiveness of prejudice. What is this classic French novel by Victor Hugo?

**Answer:** *The Hunchback of Notre Dame*

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

32. This American politician presided over the revival of the U.S. Navy, but failed to fix the federal budget surplus that had grown since the end of the Civil War? He was a Republican lawyer and served as the 20th vice president under James A. Garfield. Who is this man who became president after Garfield's death?

**Answer:** Chester A. Arthur

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

**Totals**

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

**OSSAA 2024-2025  
DISTRICT GAME 3  
THIRD QUARTER  
TOSS-UP QUESTIONS**

33. This involuntary, non-striated muscle tissue has spindle-shaped fibers capable of slow, sustained contractions. Found in the walls of hollow organs like the stomach, intestines, and blood vessels, it operates without conscious control. What is this type of muscle tissue?

**Answer:** Smooth muscle

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

34. This article describes the responsibility of philanthropy by the new upper class. What is this article that was written by Andrew Carnegie in June of 1889 and was published in the North American Review, an opinion magazine for America's establishment?

**Answer:** The Gospel of Wealth (Accept: Wealth)

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

35. **Math Computation:** Angle C has measure  $(x - 9)$  degrees and angle D has measure  $(2x - 27)$  degrees. If angle C and angle D are vertical angles, what is the measure of the angles in degrees?

**Answer:** 9

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

36. This component of a leaf allows light to penetrate the chloroplast-containing cells while protecting against excessive water loss. It often features a waxy cuticle on the outermost layer and is perforated by stomata to facilitate gas exchange. What is this layer of cells covering the upper and lower surfaces of a leaf?

**Answer:** Epidermis

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

**Totals**

**Team 1:** \_\_\_\_\_      **Team 2:** \_\_\_\_\_

**OSSAA 2024-2025  
DISTRICT GAME 3  
THIRD QUARTER  
TOSS-UP QUESTIONS**

37. This term refers to the range of distance in a photograph that appears sharp and in focus. Influenced by aperture, focal length, and subject distance, it can be shallow to isolate a subject by blurring the background. Name this technique often used in portrait photography.

**Answer:** Depth of Field

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

38. **Math Computation:** Find all solutions for  $x$  in the following equation:  $\sqrt{5x + 6} = \sqrt{8x - 9}$  [read: the square root of the quantity  $5x$  plus 6 (end quantity) equals the square root of the quantity  $8x$  minus 9 (end quantity)].

**Answer:**  $x = 5$

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

39. This Republican served as the Attorney General of Texas from 2002 to 2015, arguing numerous cases before the U.S. Supreme Court. He was also a Justice on the Texas Supreme Court from 1996 to 2001 and received the 'Outstanding Young Lawyer of Texas' award. Who is he, currently the Governor of Texas?

**Answer:** Greg Abbott

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

40. Name the Chinese-American architect renowned for his modernist designs, characterized by geometric shapes and glass, who designed the glass pyramid entrance to the Louvre, the John F. Kennedy Library, and the Bank of China Tower, and who received the Pritzker Prize in 1983.

**Answer:** I. M. Pei

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**Totals**

**Team 1:**\_\_\_\_\_      **Team 2:**\_\_\_\_\_

**Moderator** (Check score with chief judge and scorekeeper.)

**The score at the end of the third quarter is:**

(school name) \_\_\_\_\_ has \_\_\_\_\_ points

(school name) \_\_\_\_\_ has \_\_\_\_\_ points

**Coaches you may approach your team for 30 seconds to assist in any questions.**

**This is not a charged time out. (Pause briefly for protests.) Are there any questions?**

**Chief Judge** (Restate the score if they have changed because of protests.)

#### 4<sup>th</sup> Quarter – Sixty Second Instructions

**Moderator** **The fourth quarter of sixty second questions is about to begin. Everyone please be seated.**

**The categories for the 4<sup>th</sup> quarter are: (Brief description)**

1. FINE ARTS- AMERICAN PLAYWRIGHTS
2. GEOGRAPHY- WORLD CAPITALS: EUROPE
3. GEOGRAPHY- WORLD CAPITALS: SOUTH AMERICA

**Teams, you may briefly make substitutions without conferring. (You have 20 seconds to announce your substitutions). Your 20 seconds begins now.**

**Because (school name) chose first in the 2<sup>nd</sup> quarter, (school name) will have the first choice this quarter.**

**You will have 10 seconds to choose your category.**

**(Active team) may move to a position behind the captain. (Other team) put down your pencils. Captain, all answers will come from you unless you defer to another student.**

**Moderator** **(School name) You will have your choice of the two remaining categories. (Other team) put down your pencils. (Active school) may move to a position behind your captain. You will have 10 seconds to make your selection.**

**The selections are:**

- 1.
- 2.

**Moderator** (Check the score with the chief judge and score keeper) **The score at the end of the game is:**

(School name) \_\_\_\_\_ has \_\_\_\_\_ points

(School name) \_\_\_\_\_ has \_\_\_\_\_ points

**Are there any questions? Coaches you may approach your team for 30 seconds to assist in any questions. This is not a charged time out.**

**(Restate the score if it has changed)**

**(If the game is tied, sudden death questions will be asked.)**

**Because the game is tied, sudden death toss-up questions will be asked. Would either team like to make substitutions? Again, this is not a time for coaches to confer with their team. (Pause for substitutions.)**

**Moderator** This concludes the game. Congratulations to both teams. Please check your bracket and move to the next round as quickly as possible.

**OSSAA 2024-2025  
DISTRICT GAME 3  
FOURTH QUARTER  
60-SECONDS QUESTIONS**

**Fine Arts - American Playwrights**

**Directions:** Given a work by an American Playwright, name the author or authors.

- |  |  |
|--|--|
| 1. <i>Biloxi Blues</i>                   | <u>Neil Simon</u>                          |
| 2. <i>The Crucible</i>                   | <u>Arthur Miller</u>                       |
| 3. <i>The Glass Menagerie</i>            | <u>Tennessee Williams</u>                  |
| 4. <i>The Man from Home</i>              | <u>Booth Tarkington</u>                    |
| 5. <i>The Man Who Came to Dinner</i>     | <u>George Kaufman</u> and <u>Moss Hart</u> |
| 6. <i>Who's Afraid of Virginia Woolf</i> | <u>Edward Albee</u>                        |
| 7. <i>Winterset</i>                      | <u>Maxwell Anderson</u>                    |
| 8. <i>The Piano Lesson</i>               | <u>August Wilson</u>                       |
| 9. <i>The Philadelphia Story</i>         | <u>Phillip Barry</u>                       |
| 10. <i>The Iceman Cometh</i>             | <u>Eugene O'Neill</u>                      |

**Extra Questions:**

- |                              |                     |
|------------------------------|---------------------|
| E1. <i>Zero Hour</i>         | <u>Jim Brochu</u>   |
| E2. <i>Angels in America</i> | <u>Tony Kushner</u> |

**Totals**

Team 1: \_\_\_\_\_ Team 2: \_\_\_\_\_

**OSSAA 2024-2025  
DISTRICT GAME 3  
FOURTH QUARTER  
60-SECONDS QUESTIONS**

**Geography - World Capitals: Europe**

**Directions:** Given the name of a country in Europe, name the capital.

- |                   |           |
|-------------------|-----------|
| 1. France         | Paris     |
| 2. Germany        | Berlin    |
| 3. Italy          | Rome      |
| 4. Spain          | Madrid    |
| 5. United Kingdom | London    |
| 6. Greece         | Athens    |
| 7. Netherlands    | Amsterdam |
| 8. Sweden         | Stockholm |
| 9. Austria        | Vienna    |
| 10. Hungary       | Budapest  |

**Extra Questions:**

- |              |        |
|--------------|--------|
| E1. Poland   | Warsaw |
| E2. Portugal | Lisbon |

**Totals**

**Team 1: \_\_\_\_\_ Team 2: \_\_\_\_\_**

**OSSAA 2024-2025  
DISTRICT GAME 3  
FOURTH QUARTER  
60-SECONDS QUESTIONS**

**Geography - World Capitals: South America**

**Directions:** Given the name of a country in South America, name the capital.

- |              |              |
|--------------|--------------|
| 1. Brazil    | Brasília     |
| 2. Argentina | Buenos Aires |
| 3. Chile     | Santiago     |
| 4. Peru      | Lima         |
| 5. Colombia  | Bogotá       |
| 6. Venezuela | Caracas      |
| 7. Bolivia   | Sucre        |
| 8. Ecuador   | Quito        |
| 9. Paraguay  | Asunción     |
| .9. Uruguay  | Montevideo   |

**Extra Questions:**

- |               |            |
|---------------|------------|
| .E1. Guyana   | Georgetown |
| .E2. Suriname | Paramaribo |

**Totals**

**Team 1: \_\_\_\_\_ Team 2: \_\_\_\_\_**

**OSSAA 2024-2025  
DISTRICT GAME 3  
EXTRA QUESTIONS**

E1. Name the landmark 1963 Supreme Court case involving a Florida man charged with felony theft who was denied a court-appointed attorney. It expanded defendants' rights by establishing that the Sixth Amendment guarantees the right to legal counsel, even for those unable to afford it.

**Answer:** Gideon versus Wainwright (order matters)

E2. This volume of air remains in the lungs after a forceful exhalation and prevents the alveoli from collapsing. Conditions affecting lung elasticity, like chronic obstructive pulmonary disease, can alter this volume. What is this lung capacity called that represents the air that cannot be voluntarily expelled from the lungs?

**Answer:** Residual volume (Also accept: Function Residual Capacity)

E3. This 19th-century British author, who published under the pseudonym Ellis Bell and is best known for her only novel, a dark tale of passion and revenge set on the Yorkshire moors, centered around Heathcliff and Catherine Earnshaw. Who is this author of Wuthering Heights?

**Answer:** Emily Brontë

E4. This process describes the release of gas, often as a byproduct of chemical reactions or decomposition. Name this process, used in paleontology, archaeology, and environmental science, to describe the release of gasses during fossilization, artifact preservation, or from manufactured products.

**Answer:** Off-gassing (or Outgassing or Gas Evolution Reactions)

E5. Science computation: A standing wave is produced on a string such that 9 nodes are produced. How many antinodes are there on this string?

**Answer:** 8

E6. Name the historic building in Paris, originally a medieval fortress and later a royal palace, now the largest art museum in the world, housing masterpieces like the Mona Lisa and the Venus de Milo, with a famous glass pyramid entrance added in the 1980s.

**Answer:** The Louvre

**Totals**

Team 1: \_\_\_\_\_ Team 2: \_\_\_\_\_

**OSSAA 2024-2025  
DISTRICT GAME 3  
EXTRA QUESTIONS**

E7. Name the novel, published in 1605 and 1615, considered one of the greatest works of Western literature and the first modern novel, which follows a Spanish nobleman who, inspired by tales of chivalry, sets out on misguided adventures with his squire, Sancho Panza.

**Answer:** *Don Quixote*

E8. This Pulitzer Prize-winning play explores the relationship between an elderly Jewish widow and her African-American chauffeur in the American South, addressing themes of racism, friendship, and aging. Name this play, by Alfred Uhry, later adapted into an Academy Award-winning film.

**Answer:** *Driving Miss Daisy*

E9. **Math Computation:** Two chords intersect inside a circle. If the intercepted arcs from these chords measure 38 and 89 degrees, what is the measure, in degrees, of the angle formed by these chords?

**Answer:** 63.5

E10. This American rock band, formed in 2001 in Wilmette, Illinois, is known for their catchy pop-punk and emo sound. They achieved mainstream success with their 2005 album From Under the Cork Tree, which includes hits like Sugar, We're Goin Down and Dance, Dance. Which band, fronted by Patrick Stump and Pete Wentz, continues to be a major force in modern rock with hits like Centuries?

**Answer:** *Fall Out Boy*

**Totals**

Team 1: \_\_\_\_\_ Team 2: \_\_\_\_\_