

2025-2026

**OSSAA
AREA
CHAMPIONSHIP**

High School

GAME 1

Welcome to the Oklahoma Secondary School Activities Association Academic Bowl. Audience, please remember this competition is between the two teams here. Do not whisper or say aloud the answer to the question. Please turn off all cell phones, tablets, or any device that can receive or send messages. If these go off, even silently, they could interfere with the wireless system used in our competition. Even if this room is not wireless, an adjoining room could be using a wireless system. Coaches, team members, and guests are to sit behind their team. As in all contests, sportsmanship is important. Coaches, your protests need to be at the allowed times. Team members, you will remain quiet while the opposing team is answering during both the toss-up and sixty second quarters.

Respect for the opponent, spectators, coaches, and officials is necessary at all levels of athletics and activity programs. At today's game, everyone's behavior should be characterized by generosity and genuine concern for others. Sportsmanship is everyone's responsibility, do the right thing.

- 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 2025-2026
AREA GAME 1
QUARTER 1
TOSS-UP QUESTIONS**

Team 1 Team 2

1. This character is often portrayed as the illegitimate son of a legendary king and his half-sister, who is identified in different sources as either Morgause or Morgan le Fay. He leads a rebellion and fatally wounds his father at the Battle of Camlann. Name this traitor from Arthurian legend.

Answer: Mordred

2. **Math Computation:** What is the value of $\sec^2(x) - \tan^2(x)$ [read: secant squared of x minus tangent squared of x] for all real values of x?

Answer: 1

3. Name the 2025 sequel to the 2003 movie where Lindsay Lohan and Jamie Lee Curtis are a feuding mother and daughter who swap bodies. In what movie do the duo reprise their roles and experience another magical switch.

Answer: *Freakier Friday*

4. This British officer supported the Arab Revolt against the Ottoman Empire during World War I and coordinated guerrilla tactics with tribal forces. He became famous for his exploits in the Middle East, which he later described in Seven Pillars of Wisdom. Who was this man who later had "of Arabia" added to his name?

Answer: T. E. Lawrence

**OSSAA 2025-2026
AREA GAME 1
QUARTER 1
TOSS-UP QUESTIONS**

5. This short story follows a barefoot girl wandering alone on New Year's Eve, afraid to go home without money. As she searches for warmth, she sees visions of a feast and her late grandmother. What is this 1845 tale by Hans Christian Andersen?

Answer: *The Little Match Girl*

6. Produced in the adrenal cortex, these steroid hormones include compounds that regulate metabolism, stress response, blood pressure, and electrolyte balance. They are often prescribed in synthetic form to treat inflammation and autoimmune disorders. What is the general term for these adrenal hormones, which include cortisol and aldosterone?

Answer: Corticosteroids

7. Located in Charleston Harbor, this military installation was attacked by Confederate forces in April 1861, prompting the Union to respond with force. The engagement marked the official start of the American Civil War. What is this site where the first shots of the war were fired?

Answer: Fort Sumter

8. This Irish artist released the album *Wasteland, Baby!*, which debuted at number one on the Billboard 200, followed by *Unreal Unearth* in 2023. What singer is known for songs like *Take Me to Church* and *From Eden*?

Answer: Hozier

**OSSAA 2025-2026
AREA GAME 1
QUARTER 1
TOSS-UP QUESTIONS**

9. This poem compares the connection between two lovers to a drawing compass, with one foot staying fixed while the other moves. It was written in 1611 by John Donne as a farewell to his wife before a diplomatic journey. Name this metaphysical poem urging calm separation rather than sorrow.

Answer: A Valediction: Forbidding Mourning

10. This musical dynamic directs performers to play at a moderately soft volume, softer than mezzo forte but louder than piano. It appears frequently in lyrical or delicate passages that require gentle emphasis. What is this term, often abbreviated as mp?

Answer: Mezzo Piano

11. Also called the citric acid cycle, this metabolic pathway is key to cellular respiration. It breaks down glucose derivatives into carbon dioxide, transferring electrons to fuel ATP production via the electron transport chain. Name this cycle.

Answer: Krebs Cycle (accept TCA or Tricarboxylic acid cycle)

12. **Math Computation:** Two tangents intersect outside a circle forming an arc of 240 degrees. What is the angle between the tangents?

Answer: 60 degrees

**OSSAA 2025-2026
AREA GAME 1
QUARTER 1
TOSS-UP QUESTIONS**

13. This ruler established the Carolingian Renaissance and was crowned Emperor of the Romans by Pope Leo III in 800 AD. He expanded his empire through campaigns against the Saxons and Lombards. What Frankish king became the first Holy Roman Emperor?

Answer: Charlemagne

14. This story begins with a dying chief in Sky Land who needs fruit from a sacred tree to be healed. After the tree falls through a hole, his wife follows it to Earth, where animals create land on a turtle's back. What Huron myth is this?

Answer: *The Sky Tree*

15. This term refers to a fixed position on a chromosome where a particular gene or genetic marker is located. It is used in mapping genomes and tracking inheritance patterns across generations. What is this term for the specific physical location of a gene on a chromosome?

Answer: Locus (accept: Loci)

16. This 1947 law establishes the official order in which U.S. government officials would assume the presidency if both the president and vice president were unable to serve. It places the Speaker of the House first, followed by the President pro tempore of the Senate, then members of the Cabinet. What is the name of this legislation?

Answer: Presidential Succession Act of 1947

**OSSAA 2025-2026
AREA GAME 1
QUARTER 1
TOSS-UP QUESTIONS**

17. **Math Computation:** How much simple interest is earned on \$3,000 at 6% annual interest after 5 years?

Answer: \$900

18. This measurement describes acceleration relative to Earth's gravity and is felt by pilots during sharp maneuvers. Equal to 9.8 meters per second squared per unit, it can cause blackouts when tolerance is exceeded. Name this measurement of acceleration.

Answer: G-force

19. **Math Computation:** Convert the base 2 number *110101* [read: one one zero one zero one] to base 10.

Answer: 53

20. This economic principle advocates minimal government involvement in business affairs, allowing market forces to operate freely. Popular during the Industrial Revolution, it often coincided with rapid industrial growth and limited regulation. What is this hands-off approach to economic policy rooted in classical liberalism?

Answer: Laissez-faire

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 and this is not your substitution meeting. (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)

2nd Quarter – Sixty Second Instructions

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

The categories for the 2nd quarter are: (Brief description)

1. POP CULTURE – TOP FILMS OF 1996

2. SOCIAL STUDIES – POLICIES AND PRESIDENTS

3. SPORTS – NBA NAME THE POSITION

Teams, you may huddle with your team and coach away from the playing table for 30 seconds to discuss substitutions and category selection. Please leave all paper and pencils at your table during this huddle. Your 30 seconds begins now. (Begin time) Time is up, please return to your tables. Do not bring anything back to the table with you.

Teams, please designate your captains for this round.

Because (school name) is ahead at this time, they will have the choice to play or defer until the 4th 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 3RD QUARTER TOSS-UP QUESTIONS.

**OSSAA 2025-2026
AREA GAME 1
QUARTER 2
LIGHTNING ROUND**

Pop Culture: Top Films of 1996

Directions: Given the plot or description, name the 1996 film.

- | | |
|--|-------------------------------|
| 1. A pregnant Minnesota cop investigates a bungled kidnapping. | <i>Fargo</i> |
| 2. A masked killer stalks teens in a ghost-like mask. | <i>Scream</i> |
| 3. Young girl discovers she has psychic powers and gets even with Ms. Trunchbull | <i>Matilda</i> |
| 4. An angry hockey player takes up golf to save his grandmother's house. | <i>Happy Gilmore</i> |
| 5. An IMF agent is disavowed after a mission goes wrong. | <i>Mission: Impossible</i> |
| 6. Aliens invade the planet on July 4th. | <i>Independence Day</i> |
| 7. Two criminals face vampires at a desert bar. | <i>From Dusk Till Dawn</i> |
| 8. A scientist invents a DNA-altering formula and becomes increasingly unstable. | <i>The Nutty Professor</i> |
| 9. Kermit leads the crew as Captain Smollett in this swashbuckling puppet version of a Robert Louis Stevenson novel. | <i>Muppet Treasure Island</i> |
| 10. Storm chasers pursue massive tornadoes in Oklahoma. | <i>Twister</i> |
|
Extras: | |
| 11. Michael Jordan teams up with Bugs Bunny in a basketball game to save the Looney Tunes. | <i>Space Jam</i> |
| 12. A disillusioned knight befriends a talking dragon voiced by Sean Connery. | <i>Dragonheart</i> |

**OSSAA 2025-2026
AREA GAME 1
QUARTER 2
LIGHTNING ROUND**

Social Studies: Policies and Presidents

Directions: Given the policy, name the associated president.

- | | |
|---|------------------------------------|
| 1. No Child Left Behind Act | <u>George W. Bush</u> |
| 2. Voting Rights Act | <u>Lyndon B. Johnson (LBJ)</u> |
| 3. New Deal | <u>Franklin D. Roosevelt (FDR)</u> |
| 4. Emancipation Proclamation | Abraham <u>Lincoln</u> |
| 5. Signed North American Free Trade Agreement (NAFTA) | Bill <u>Clinton</u> |
| 6. Created Environmental Protection Agency (EPA) | Richard <u>Nixon</u> |
| 7. Affordable Care Act | Barack <u>Obama</u> |
| 8. Desegregated the U.S. Armed Forces | Harry <u>Truman</u> |
| 9. Supply-side or "Trickle-down" Economics | Ronald <u>Reagan</u> |
| 10. Federal-Aid Highway Act | Dwight D. <u>Eisenhower</u> |
|
Extras: | |
| 11. Judiciary Act of 1789 | George <u>Washington</u> |
| 12. Hepburn Act | <u>Theodore Roosevelt</u> |

**OSSAA 2025-2026
AREA GAME 1
QUARTER 2
LIGHTNING ROUND**

Sports: NBA Name the Position

Directions: Given the NBA player, name their position.

- | | |
|------------------------|--|
| 1. Kareem Abdul-Jabbar | Center |
| 2. Larry Bird | Small Forward (accept:
Power Forward) |
| 3. Wilt Chamberlain | Center |
| 4. Charles Barkley | Power Forward (Accept:
Small Forward or Center) |
| 5. Scottie Pippen | Small Forward (Accept:
Shooting Guard) |
| 6. Dwyane Wade | Shooting Guard |
| 7. Russell Westbrook | Point Guard |
| 8. Reggie Miller | Shooting Guard |
| 9. Paul Pierce | Small Forward (Accept:
Shooting Guard) |
| 10. Isiah Thomas | Point Guard |
| Extras: | |
| 11. Chris Paul | Point Guard |
| 12. Kobe Bryant | Shooting Guard |

**OSSAA 2025-2026
AREA GAME 1
QUARTER 3
TOSS-UP QUESTIONS**

Team 1 Team 2

21. This group migrated west in search of work during the Dust Bowl and Great Depression. Many settled in California's Central Valley, working as farm laborers. What nickname was given to displaced farmers during the 1930s?

Answer: Okies

22. This geographic feature lies between the continental rise and mid-ocean ridges and is among the flattest, smoothest regions on Earth. It is formed by the accumulation of fine sediments like clay and silt over oceanic crust. What is this deep ocean floor region called?

Answer: Abyssal plain

23. **Math Computation:** What is the area of a trapezoid with bases 14 and 22 and height 6?

Answer: 108 square units

24. This Cold War doctrine held that a full-scale nuclear exchange would lead to the total annihilation of both the attacker and the defender. It served as a deterrent between the United States and the Soviet Union. What is this strategy based on reciprocal nuclear retaliation?

Answer: Mutually assured destruction

**OSSAA 2025-2026
AREA GAME 1
QUARTER 3
TOSS-UP QUESTIONS**

25. Beginning around 4.6 billion years ago, this eon covers Earth's earliest geologic history, including heavy bombardment and crust formation. It ended around 4 billion years ago, preceding the Archean. Name this first eon of the Precambrian.

Answer: Hadean

26. Premiering in 2022, this HBO Max comedy follows a fictionalized 18th-century pirate crew. Rhys Darby plays Stede Bonnet, the "Gentleman Pirate," and Taika Waititi portrays Blackbeard. The series was created by David Jenkins. Name this show.

Answer: *Our Flag Means Death*

27. This character is sentenced to life at Shawshank Prison for a double murder he didn't commit. He gains the warden's trust through financial skills and later escapes by tunneling through a wall. Identify this former banker from *Rita Hayworth and Shawshank Redemption*.

Answer: Andy Dufresne

28. This economist served as U.S. ambassador to India under JFK and was a leading advocate of public spending to manage demand. He criticized income inequality and corporate power in works like *The Affluent Society* and *The New Industrial State*. Who is this Canadian-American economist?

Answer: John Kenneth Galbraith

**OSSAA 2025-2026
AREA GAME 1
QUARTER 3
TOSS-UP QUESTIONS**

29. This public official announced his resignation in September 2025 as Oklahoma State Superintendent, following a controversial tenure marked by religious reforms in education. He is now the CEO of a conservative educators' group called the Teacher Freedom Alliance. Name this official.

Answer: Ryan Walters

30. In Greek mythology, this fire-breathing creature had the body and heads of multiple animals, often described as part lion, part goat, and part serpent. It was slain by the hero Bellerophon while he rode the winged horse Pegasus. Name this monster.

Answer: Chimera

31. This 16-year-old lover of poetry and music is left heartbroken and gravely ill after John Willoughby abandons her for wealth. She later finds lasting happiness with Colonel Brandon. Who is this passionate younger sister of Elinor in Jane Austen's *Sense and Sensibility*?

Answer: Mary Ann Dashwood

32. **Math Computation:** Subtract matrix B from matrix A. A: [5, -2; 3, 4], B: [1, 1; 0, 6].

[read: matrix A is five, negative two, top row left to right and three, four, bottom row left to right; matrix B is one, one, top row left to right and zero, six, bottom row left to right]

Answer: [4, -3; 3, -2].

[read: four, negative three, top row left to right and three, negative two bottom row left to right]

**OSSAA 2025-2026
AREA GAME 1
QUARTER 3
TOSS-UP QUESTIONS**

33. This brain region is essential for executive functions like decision-making and problem-solving. It helps regulate attention and social behavior. Its role was highlighted by personality changes observed after the 1848 injury to Phineas Gage. Name this region of the brain.

Answer: Prefrontal Cortex

34. **Math Computation:** What is the value of 64 to the one-third power?

Answer: 4

35. This motor protein drives muscle contraction by interacting with actin filaments and hydrolyzing ATP. It forms thick filaments in sarcomeres and produces the power stroke that enables filament sliding. Name this protein essential to skeletal and cardiac movement.

Answer: Myosin

36. This novel follows a girl who carries a notebook everywhere, secretly recording observations about classmates, neighbors, and her New York City nanny, Ole Golly. When her private notes are discovered, she must confront the fallout of seeing people too clearly. Name this 1964 children's novel by Louise Fitzhugh.

Answer: *Harriet the Spy*

37. This small landlocked country in southern Europe is completely surrounded by Italy and is one of the world's oldest republics, dating back to A.D. 301. It covers just over 23 square miles. Name this country that shares its name with its capital city.

Answer: Republic of San Marino

**OSSAA 2025-2026
AREA GAME 1
QUARTER 3
TOSS-UP QUESTIONS**

38. **Math Computation:** What is the value of *log base 5 of 125*? _____

Answer: 3

39. This setting lies between a wealthy suburb and New York City and is described as a desolate wasteland of ash and dust, symbolizing moral and social decay. It is overlooked by a billboard featuring the eyes of Doctor T.J. Eckleburg. Name this location in *The Great Gatsby*. _____

Answer: The Valley of Ashes

40. Founded in 1919 in Weimar by Walter Gropius, this German art school merged fine art and design. It moved to Dessau in 1925 and was closed by the Nazis in 1933. Name this influential institution and modernist movement. _____

Answer: Bauhaus

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 and this is not your substitution meeting. (Pause briefly for protests.)
Are there any questions?

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

4th Quarter – Sixty Second Instructions

Moderator The fourth quarter of sixty second questions is about to begin. Everyone please be seated.
The categories for the 4th quarter are: (Brief description)
1. SOCIAL STUDIES – U.S. PRESIDENTS AND THEIR BIRTH STATES
2. SOCIAL STUDIES – WORLD CAPITALS - ASIA
3. MATH – EVALUATING FUNCTIONS

Teams, you may huddle with your team and coach away from the playing table for 30 seconds to discuss substitutions and category selection. Please leave all paper and pencils at your table during this huddle. Your 30 seconds begins now. (Begin time) Time is up, please return to your tables. Do not bring anything back to the table with you.

Teams, please designate your captains for this round.

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 2025-2026
AREA GAME 1
QUARTER 4
LIGHTNING ROUND**

Social Studies: U.S. Presidents and their Birth States

Directions: Given the U.S. President, name the state where they were born.

- | | |
|-------------------------|----------------|
| 1. Thomas Jefferson | Virginia |
| 2. James A. Garfield | Ohio |
| 3. Abraham Lincoln | Kentucky |
| 4. Dwight D. Eisenhower | Texas |
| 5. Woodrow Wilson | Virginia |
| 6. Jimmy Carter | Georgia |
| 7. Barack Obama | Hawaii |
| 8. Theodore Roosevelt | New York |
| 9. Andrew Jackson | South Carolina |
| 10. John F. Kennedy | Massachusetts |

Extras:

- | | |
|-------------------|----------|
| 11. Donald Trump | New York |
| 12. Ronald Reagan | Illinois |

**OSSAA 2025-2026
AREA GAME 1
QUARTER 4
LIGHTNING ROUND**

Social Studies: World Capitals - Asia

Directions: Given the capital city, name the country.

- | | |
|--------------|-------------|
| 1. Kathmandu | Nepal |
| 2. New Delhi | India |
| 3. Seoul | South Korea |
| 4. Bangkok | Thailand |
| 5. Hanoi | Vietnam |
| 6. Beijing | China |
| 7. Dhaka | Bangladesh |
| 8. Manila | Philippines |
| 9. Tokyo | Japan |
| 10. Jakarta | Indonesia |

Extras:

- | | |
|--------------|-------|
| 11. Damascus | Syria |
| 12. Baghdad | Iraq |

**OSSAA 2025-2026
AREA GAME 1
QUARTER 4
LIGHTNING ROUND**

Math: Evaluating Functions

Directions: Given the function $f(x) = 2x^2 - 3x + 1$, evaluate the function for each value of x .

1. $f(-3)$	28
2. $f(4)$	21
3. $f(0)$	1
4. $f(7)$	78
5. $f(-2)$	15
6. $f(-1)$	6
7. $f(3)$	10
8. $f(1)$	0
9. $f(5)$	36
10. $f(8)$	105

Extras:

11. $f(2)$	3
12. $f(6)$	55

**OSSAA 2025-2026
AREA GAME 1
EXTRA QUESTIONS**

Extra Questions

Team 1 Team 2

E1. **Math Computation:** Convert 120 degrees to radians in terms of pi.

Answer: $(2\pi)/3$

E2. This ancient historian from Halicarnassus wrote a nine-book account of the Greco-Persian Wars and included cultural details with military history. Who is this fifth-century BCE author often called the "Father of History"?

Answer: Herodotus

E3. This mathematician made early discoveries in number theory, including the construction of a 17-gon with compass and straightedge. He also contributed to electromagnetism, statistics, and the method of least squares. Who is this German known as the "Prince of Mathematicians"?

Answer: Carl Friedrich Gauss

E4. This director won multiple Academy Awards for a 1972 film based on a novel by Mario Puzo. He later directed *Apocalypse Now* and *The Conversation*, both critical successes of the 1970s. Who directed *The Godfather* trilogy?

Answer: Francis Ford Coppola

**OSSAA 2025-2026
AREA GAME 1
EXTRA QUESTIONS**

E5. **Math Computation:** What constant completes the square in the expression $x^2 + 12x + \text{blank}$? _____

Answer: 36

E6. In this novel, naval officer Victor "Pug" Henry travels across Europe on diplomatic missions before America enters World War II. His family witnesses events like Kristallnacht and the fall of France. Name this historical novel by Herman Wouk. _____

Answer: *The Winds of War*

E7. This Bronze Age palace complex, located on the island of Crete, is associated with the Minoan civilization and features elaborate frescoes, storerooms, and a central courtyard. It is traditionally linked to the myth of the Minotaur and the Labyrinth. Name this archaeological site near modern-day Heraklion. _____

Answer: Knossos

E8. First used effectively in World War I, this chemical weapon caused severe blistering of the skin, damage to the lungs, and often led to long-term health complications. It lingered in soil and clothing, making it especially feared. What is this sulfur-based agent? _____

Answer: Mustard Gas

E9. This artistic and design movement emphasizes simplicity, using basic shapes, monochromatic color schemes, and clean lines to focus on form and function. It emerged in the mid-20th century as a reaction against excess in art and culture. What is this movement called? _____

Answer: Minimalism

**OSSAA 2025-2026
AREA GAME 1
EXTRA QUESTIONS**

E10. This 19th-century Italian astronomer is known for his detailed observations of Mars, during which he described surface features using the term “canali,” later mistranslated as “canals.” His work influenced public imagination and inspired speculation about life on Mars. Who is this scientist who mapped Martian geography from Milan?

Answer: Giovanni Schiaparelli

2025-2026

**OSSAA
AREA
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 2025-2026
AREA GAME 2
QUARTER 1
TOSS-UP QUESTIONS**

Team 1 Team 2

1. This novel follows four siblings living with their widowed mother in a small town during World War I. Their adventures include getting stuck on a train and dealing with the possible sale of their home. What 1941 children's book was written by Eleanor Estes?

Answer: *The Moffats*

2. **Math Computation:** An employee earns \$18 per hour and works 50 hours in one week. Overtime is paid at 1.5 times the regular rate. What is the total pay?

Answer: \$990

3. This actor played a bus driving poet in *Paterson*, a detective in *BlacKkKlansman*, and a stage director opposite Scarlett Johansson in *Marriage Story*. He also portrayed Kylo Ren in the *Star Wars* sequel trilogy. Name this actor.

Answer: Adam Driver

4. **Math Computation:** Expand and simplify: $(x + 5)(x - 3)$.
[read: the quantity x plus five times the quantity x minus three]

Answer: $x^2 + 2x - 15$

5. This company developed a cube-shaped prototype console to enter the living room gaming space. Known for *Half-Life*, *Portal*, and the Steam platform, it also released the Steam Deck. Name this video game developer behind the Steam Machine project.

Answer: *Valve*

**OSSAA 2025-2026
AREA GAME 2
QUARTER 1
TOSS-UP QUESTIONS**

6. This 34-year-old democratic socialist won the 2025 NYC mayoral race over Andrew Cuomo and Curtis Sliwa. He'll be the city's first Muslim, first South Asian–American, and youngest mayor in over a century. Name this politician.

Answer: Zohran Mamdani

7. **Math Computation:** Solve for x : $5(x + 2) = 35$.
[read: five times the quantity x plus two equals thirty-five]

Answer: 5

8. This poem features a red-coated army troop setting a trap at an old inn where a landlord's daughter is held hostage. She sacrifices herself to warn her lover, who is later shot down on the road "like a dog on the highway." Name this 1906 narrative poem by Alfred Noyes about a doomed romance between Bess and a gallant outlaw.

Answer: *The Highwayman*

9. This explosive compound, known for its instability, was first made safer by Alfred Nobel in 1866 by mixing it with an absorbent material to create dynamite. Its volatility led to many early accidents before stabilization. What is this liquid explosive?

Answer: Nitroglycerin

10. This Italian instrument maker built the world's oldest surviving piano around 1720, now housed in New York's Metropolitan Museum of Art. He also invented the piano's hammer mechanism. Who is this pioneer of keyboard instruments?

Answer: Bartolomeo Cristofori

**OSSAA 2025-2026
AREA GAME 2
QUARTER 1
TOSS-UP QUESTIONS**

11. In this novel, a mouse discovers a toy motorcycle left by a boy at the Mountain View Inn. He proves his courage by using it to fetch aspirin for a sick child. Name this 1965 children's book by Beverly Cleary.

Answer: *The Mouse and the Motorcycle*

12. **Math Computation:** What is the exact value of $\cos(\pi)$?
[read: cosine of pi]

Answer: -1

13. This character from *Winnie-the-Pooh* is based on the author's son and lives in the Hundred Acre Wood with animals like a bear, a donkey, and a tiger. He often acts as a voice of reason. Name this A.A. Milne character.

Answer: Christopher Robin

14. This ancient Oklahoma mountain range runs east to west and contains some of the oldest exposed rock in the U.S., including Precambrian granite. It features sites like Turner Falls. What is the name of this mountain range?

Answer: Arbuckle Mountains

15. Galaxies come in three main shapes: spiral, irregular, and this type, which lacks distinct arms and appears more rounded or oval. Often composed of older stars and little gas or dust, what is this common galaxy shape?

Answer: Elliptical

**OSSAA 2025-2026
AREA GAME 2
QUARTER 1
TOSS-UP QUESTIONS**

16. This labor practice involves negotiations between unions and employers over wages and working conditions. Protected by the 1935 National Labor Relations Act, it helped secure key labor rights. What is this process used to establish work agreements? _____

Answer: Collective Bargaining

17. This process includes interphase and mitotic phases, allowing the basic unit of life to grow, replicate its DNA, and divide into two daughter units. What is the name for this two-word ordered sequence of events in cellular reproduction? _____

Answer: Cell cycle

18. These women of the 1920s wore short skirts, bobbed their hair, and defied social norms like Prohibition. They came to represent changing roles for women during the Jazz Age. What nickname was given to these bold young women? _____

Answer: flappers

19. This simple test uses a dye that changes color to indicate acidity or alkalinity in a solution—red for acid, blue for base. It's also used metaphorically to describe a decisive factor that determines overall judgement. What is this common chemical indicator called? _____

Answer: Litmus test

**OSSAA 2025-2026
AREA GAME 2
QUARTER 1
TOSS-UP QUESTIONS**

20. Beginning in 1096, these campaigns aimed to reclaim the Holy Land from Muslim control. They led to increased trade and cultural exchange between Europe and the Middle East. What were these military expeditions that included battles at Antioch and Jerusalem?

Answer: Crusades

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 and this is not your substitution meeting. (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)

2nd Quarter – Sixty Second Instructions

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

The categories for the 2nd quarter are: (Brief description)

1. POP CULTURE – EMMYS 2025 WINNERS

2. SOCIAL STUDIES – CURRENT MONARCHS

3. SPORTS – NFL NAME THE POSITION

Teams, you may huddle with your team and coach away from the playing table for 30 seconds to discuss substitutions and category selection. Please leave all paper and pencils at your table during this huddle. Your 30 seconds begins now. (Begin time) Time is up, please return to your tables. Do not bring anything back to the table with you.

Teams, please designate your captains for this round.

Because (school name) is ahead at this time, they will have the choice to play or defer until the 4th 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 3RD QUARTER TOSS-UP QUESTIONS.

**OSSAA 2025-2026
AREA GAME 2
QUARTER 2
LIGHTNING ROUND**

Pop Culture: Emmys 2025 Winners

Directions: Given the Emmy category from September 14, 2025. Name the winner.

- | | |
|---|---|
| 1. Lead Actress in a Drama Series | Britt <u>Lower</u> |
| 2. Limited or Anthology Series | <i>Adolescence</i> |
| 3. Drama Series | <i>The Pitt</i> |
| 4. Lead Actor in a Comedy Series | Seth <u>Rogen</u> |
| 5. Supporting Actress in a Comedy Series | Hannah <u>Einbinder</u> |
| 6. Writing for a Drama Series | Dan <u>Gilroy</u> |
| 7. Lead Actress in a Limited or Anthology Series or Movie | Cristin <u>Milioti</u> |
| 8. Directing for a Drama Series | Adam <u>Randall</u> |
| 9. Scripted Variety Series | <i>Last Week Tonight with John Oliver</i> |
| 10. Reality Competition Program | <i>The Traitors</i> |

Extras:

- | | |
|--|------------------------|
| 11. Supporting Actor in a Drama Series | Tramell <u>Tillman</u> |
| 12. Lead Actress in a Comedy Series | Jean <u>Smart</u> |

**OSSAA 2025-2026
AREA GAME 2
QUARTER 2
LIGHTNING ROUND**

Social Studies: Current Monarchs

Directions: Given the country, name the current reigning Monarch.

- | | |
|--------------------|--------------------------------|
| 1. Belgium | King <u>Philippe</u> |
| 2. Japan | Emperor <u>Naruhito</u> |
| 3. Saudi Arabia | King <u>Salman</u> |
| 4. Monaco | Prince <u>Albert II</u> |
| 5. Netherlands | King <u>Willem-Alexander</u> |
| 6. Jordan | King <u>Abdullah II</u> |
| 7. Spain | King <u>Felipe VI</u> |
| 8. Luxembourg | Grand Duke <u>Guillaume V</u> |
| 9. Denmark | King <u>Frederik X</u> |
| 10. United Kingdom | King <u>Charles III</u> |
|
Extras: | |
| 11. Brunei | Sultan Hassanah <u>Bolkiah</u> |
| 12. Liechtenstein | Prince <u>Hans-Adam II</u> |

**OSSAA 2025-2026
AREA GAME 2
QUARTER 2
LIGHTNING ROUND**

Sports: NFL Name the Position

Directions: Given the NFL player, name their primary position

- | | |
|--------------------|------------------|
| 1. Drew Brees | Quarterback |
| 2. Brett Favre | Quarterback |
| 3. Dick Butkus | Linebacker |
| 4. Rod Woodson | Cornerback |
| 5. Joe Montana | Quarterback |
| 6. Lawrence Taylor | Linebacker |
| 7. Peyton Manning | Quarterback |
| 8. Tom Brady | Quarterback |
| 9. Reggie White | Defensive End |
| 10. Joe Greene | Defensive Tackle |

Extras:

- | | |
|-------------------|---------------|
| 11. Randy Moss | Wide Receiver |
| 12. O. J. Simpson | Running Back |

**OSSAA 2025-2026
AREA GAME 2
QUARTER 3
TOSS-UP QUESTIONS**

Team 1 Team 2

21. This region in the North Caucasus declared independence after the fall of the Soviet Union, leading to two brutal wars with Russia in the 1990s and early 2000s. Its capital is Grozny. What is this republic that remains part of the Russian Federation?

Answer: Chechnya

22. This red supergiant star in the constellation Orion is nearing the end of its life and is expected to go supernova. It's one of the brightest stars in the night sky and has a name often confused with a movie title. What is this massive star?

Answer: Betelgeuse

23. **Math Computation:** What is the median of the following six numbers: 37, 45, 33, 42, 40, 36?

Answer: 38.5

24. In this science fiction short story, a team of lunar explorers discovers a mysterious crystalline structure buried beneath the Moon's surface, emitting a signal toward deep space. The artifact suggests an extraterrestrial intelligence that visited long before humans existed. Name this 1951 story by Arthur C. Clarke that inspired 2001: A Space Odyssey.

Answer: *The Sentinel*

**OSSAA 2025-2026
AREA GAME 2
QUARTER 3
TOSS-UP QUESTIONS**

25. Issued in 1941 by Roosevelt and Churchill, this statement promoted self-determination, free trade, and disarmament. It later influenced the creation of the United Nations. What was this World War II agreement? _____

Answer: Atlantic Charter

26. This musical term describes a combination of tones that clash or create tension, often sounding unstable or unresolved. Composers use it to build drama before resolving to harmony. What is this term for harsh or jarring intervals? _____

Answer: Dissonance

27. **Math Computation:** If two tangent lines intersect and create a major arc measuring 210 degrees, what is the angle formed by the tangents? _____

Answer: 30 degrees

28. This scientific theory explains the origin of life from non-living matter, proposing that simple organic compounds gradually formed complex molecules in Earth's early environment. What is this process often called the "origin of life"? _____

Answer: Abiogenesis

29. This illuminated manuscript, created by Celtic monks around 800 AD, contains the four Gospels in Latin and is celebrated for its intricate artwork and ornate calligraphy. Housed at Trinity College in Dublin, what is this masterpiece of medieval Christian art? _____

Answer: *Book of Kells*

**OSSAA 2025-2026
AREA GAME 2
QUARTER 3
TOSS-UP QUESTIONS**

30. This journalist flew a World War II bombing run over Germany, covered the Nuremberg Trials, and reported on JFK's assassination and Apollo 11. Known as "the most trusted man in America," he ended each broadcast with the phrase, "And that's the way it is." Name this CBS anchor.

Answer: Walter Cronkite

31. This series of demonstrations against President Donald Trump was denounced by former Representative Pete King as "political theater" likely to backfire, and featured Hollywood participants such as John Cusack and Bill Nye holding signs. Name these rallies.

Answer: No Kings

32. This 1944 novel follows a British woman who teaches the children of a Southeast Asian king working to modernize his country. It inspired a Rodgers and Hammerstein musical. Name this work by Margaret Landon.

Answer: *Anna and the King of Siam*

33. This outermost layer of the Sun's atmosphere is usually hidden by its bright light but becomes visible as a glowing halo during a total solar eclipse. What is this part of the Sun seen only when the Moon fully blocks the solar disk?

Answer: Corona

**OSSAA 2025-2026
AREA GAME 2
QUARTER 3
TOSS-UP QUESTIONS**

34. This holiday, later renamed Memorial Day, was first officially observed on May 30, 1868, when flowers were placed on graves at Arlington National Cemetery. It was originally created to honor Civil War dead from both the Union and Confederacy. Name this holiday, first established by General John A. Logan of the Grand Army of the Republic.

Answer: Decoration Day

35. **Math Computation:** A deposit of \$2,500 earns 4% interest annually. How much interest is earned after 3 years?

Answer: \$300

36. This comedy series follows an American football coach hired to manage an English soccer team despite his inexperience. It features characters like Rebecca Welton and Roy Kent. What Apple TV+ show stars Jason Sudeikis?

Answer: *Ted Lasso*

37. This ancient treatise by Aristotle explains phenomena like comets, rainbows, and earthquakes using the four classical elements. It helped shape early atmospheric science. What is this work that shares its name with a modern scientific field?

Answer: *Meteorology*

38. **Math Computation:** Convert the base 10 number 47 into binary.

Answer: 101111

**OSSAA 2025-2026
AREA GAME 2
QUARTER 3
TOSS-UP QUESTIONS**

39. This physics principle explains how an increase in the speed of a fluid results in a decrease in pressure. It helps explain how airplane wings generate lift and why a shower curtain gets pulled inward. What is this fundamental concept in fluid dynamics?

Answer: Bernoulli's Principle

40. In this novel, U.S. forces secretly support a Colombian war against the Cali Cartel, while the president publicly denounces drug trafficking. Jack Ryan discovers the illegal operation, which includes a special forces team abandoned in the jungle. Name this Tom Clancy novel.

Answer: *Clear and Present Danger*

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 and this is not your substitution meeting. (Pause briefly for protests.)
Are there any questions?

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

4th Quarter – Sixty Second Instructions

Moderator **The fourth quarter of sixty second questions is about to begin. Everyone please be seated.**
The categories for the 4th quarter are: (Brief description)
1. FINE ARTS – COMPOSERS AND THEIR WORKS
2. LITERATURE – WORKS AND THEIR AUTHORS
3. SCIENCE – BIOLOGY “H” TERMS

Teams, you may huddle with your team and coach away from the playing table for 30 seconds to discuss substitutions and category selection. Please leave all paper and pencils at your table during this huddle. Your 30 seconds begins now. (Begin time) Time is up, please return to your tables. Do not bring anything back to the table with you.

Teams, please designate your captains for this round.

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 2025-2026
AREA GAME 2
QUARTER 4
LIGHTNING ROUND**

Fine Arts: Composers and Their Works

Directions: Given a famous work, name the Composer.

- | | |
|---------------------------------------|--------------------------------|
| 1. <i>The Damnation of Faust</i> | Hector <u>Berlioz</u> |
| 2. <i>The Village Soothsayer</i> | Jean-Jacques <u>Rousseau</u> |
| 3. <i>Clair de lune</i> | Claude <u>Debussy</u> |
| 4. <i>Armide</i> | Jean-Baptiste <u>Lully</u> |
| 5. <i>Mazurkas, Opus 56</i> | Frédéric <u>Chopin</u> |
| 6. <i>Boléro</i> | Maurice <u>Ravel</u> |
| 7. <i>Habanera</i> | Georges <u>Bizet</u> |
| 8. <i>Dialogues of the Carmelites</i> | Francis <u>Poulenc</u> |
| 9. <i>Orpheus in the Underworld</i> | Jacques <u>Offenbach</u> |
| 10. <i>Manon</i> | Jules <u>Massenet</u> |
| Extras: | |
| 11. <i>Faust</i> | Charles <u>Gounod</u> |
| 12. <i>Eine kleine Nachtmusik</i> | Wolfgang Amadeus <u>Mozart</u> |

**OSSAA 2025-2026
AREA GAME 2
QUARTER 4
LIGHTNING ROUND**

Literature: Works and their Authors

Directions: Given a famous work, name the author.

- | | |
|------------------------------------|----------------------------|
| 1. <i>Don Juan</i> | Lord <u>Byron</u> |
| 2. <i>Vathek</i> | William <u>Beckford</u> |
| 3. <i>Rebecca</i> | Daphne du <u>Maurier</u> |
| 4. <i>Frankenstein</i> | Mary <u>Shelley</u> |
| 5. <i>Dracula</i> | Bram <u>Stoker</u> |
| 6. <i>As I Lay Dying</i> | William <u>Faulkner</u> |
| 7. <i>The Pit and the Pendulum</i> | Edgar Allan <u>Poe</u> |
| 8. <i>Fanshawe</i> | Nathaniel <u>Hawthorne</u> |
| 9. <i>The Colour Out of Space</i> | H. P. <u>Lovecraft</u> |
| 10. <i>No Coward Soul Is Mine</i> | <u>Emily Brontë</u> |

Extras:

- | | |
|--------------------------------------|-------------------------|
| 11. <i>The Romance of the Forest</i> | Ann <u>Radcliffe</u> |
| 12. <i>Jane Eyre</i> | <u>Charlotte Brontë</u> |

**OSSAA 2025-2026
AREA GAME 2
QUARTER 4
LIGHTNING ROUND
Science: Biology "H" Terms**

Directions: Given a brief description, name these biology terms beginning with the letter "H."

- | | |
|--|-------------------|
| 1. A cell with one set of chromosomes. | Haploid |
| 2. A protein in red blood cells that carries oxygen. | Hemoglobin |
| 3. Having two identical alleles for a gene. | Homozygous |
| 4. The maintenance of stable internal conditions in an organism. | Homeostasis |
| 5. A chemical messenger that regulates body processes. | Hormone |
| 6. Neuron's membrane is more negative than its resting state. | Hyperpolarization |
| 7. Offspring produced from two different species. | Hybrid |
| 8. The natural environment where an organism lives. | Habitat |
| 9. Passing traits from parents to offspring. | Heredity |
| 10. A brain region essential for learning and memory. | Hippocampus |

Extras:

- | | |
|--|--------------|
| 11. Having two different alleles for a gene. | Heterozygous |
| 12. Describes molecules that repel or do not mix with water. | Hydrophobic |

**OSSAA 2025-2026
AREA GAME 2
EXTRA QUESTIONS**

Extra Questions

Team 1 Team 2

E1. In this novel, animals anxiously watch as a new family moves into a long-abandoned house, hoping they will plant a garden. Characters include Uncle Analdas and the patriotic Rabbit. What 1944 children's book by Robert Lawson won the Newbery Medal?

Answer: *Rabbit Hill*

E2. This Apple TV+ comedy follows a grieving therapist who begins telling clients exactly what he thinks, breaking ethical rules with chaotic results. It stars Jason Segel and features Harrison Ford as a colleague. Name this series.

Answer: *Shrinking*

E3. This architectural element is a heavy base or platform that supports a statue, column, or monument. Often rectangular or square, it elevates and stabilizes the structure above it. What is this foundational block called?

Answer: Plinth

E4. **Math Computation:** A trapezoid has a height of 10 and bases of 18 and 12. What is its area?

Answer: 150 square units

**OSSAA 2025-2026
AREA GAME 2
EXTRA QUESTIONS**

E5. Appointed by Jefferson, this former Mississippi Territory governor became the first U.S. governor of the Territory of Orleans and helped transition Louisiana into statehood. He later became Louisiana's first elected governor. Name this early American statesman.

Answer: William Claiborne

E6. This property of matter helps explain the curved meniscus formed by water in a graduated cylinder and is responsible for capillary action in narrow tubes. It refers to the attraction between molecules of different substances, such as water clinging to glass. What is this intermolecular force?

Answer: Adhesion

E7. Originating in ancient Greece, this form of pastoral verse idealizes rural life and often features shepherds and rustic landscapes. First developed by Theocritus, it later influenced Roman poets such as Virgil in his Eclogues. Identify this type of poetry.

Answer: Bucolic Poetry

E8. This stage of cellular respiration occurs in the mitochondria, using electrons from NADH and FADH₂ to create a proton gradient that drives ATP production. What is this final and most energy-efficient step called?

Answer: Oxidative Phosphorylation

**OSSAA 2025-2026
AREA GAME 2
EXTRA QUESTIONS**

E9. This term refers to the compensation or remedy provided for a wrong or grievance, often in legal or political contexts. It can involve monetary payment, apologies, or policy changes. What word means to set right or provide relief from injury or injustice?

Answer: Redress (also accept reparation)

E10. **Math Computation:** Subtract matrix B from matrix A. A: $\begin{bmatrix} 9 & 0 \\ -1 & 7 \end{bmatrix}$, B: $\begin{bmatrix} 3 & -5 \\ 2 & 1 \end{bmatrix}$.

[read: matrix A is nine, zero, top row left to right negative one, seven bottom row left to right ;matrix B is three, negative five, top row left to right two, one bottom row left to right]

Answer: $\begin{bmatrix} 6 & 5 \\ -3 & 6 \end{bmatrix}$

[read: six, five, top row left to right; negative three, six, bottom row left to right]

2025-2026

**OSSAA
AREA
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 2025-2026
AREA GAME 3
QUARTER 1
TOSS-UP QUESTIONS**

Team 1 Team 2

1. An enzyme in the cell membrane moves three ions out and two ions into the cell against their concentration gradients, using ATP. It helps maintain membrane potential and cellular homeostasis. What is this type of transport mechanism called?

Answer: Active transport

2. After a car crash kills her family, cellist Mia Hall lies in a coma, caught between life and death. Reflecting on her past, she must choose whether to wake up to a changed future. Name this young adult novel by Gayle Forman.

Answer: *If I Stay*

3. Premiering in 1844 with music by Cesare Pugni and choreography by Jules Perrot, this ballet is based on Victor Hugo's *The Hunchback of Notre-Dame* and follows a Romani dancer in medieval Paris. What is the title of this Romantic ballet?

Answer: *Esmeralda*

4. This biologist is best known for co-discovering the double-helix structure of DNA with Francis Crick in 1953. Their work was informed by Rosalind Franklin's X-ray diffraction images and led to a Nobel Prize in 1962. Who is this American scientist and co-author of *The Double Helix*?

Answer: James Watson

**OSSAA 2025-2026
AREA GAME 3
QUARTER 1
TOSS-UP QUESTIONS**

5. Passed over for promotion in favor of Cassio, this character plots to ruin his superior's marriage. He manipulates others and uses a handkerchief to spark jealousy. Name this villain from Shakespeare's *Othello*. _____

Answer: Iago

6. This type of locomotion occurs without the use of limbs and is observed in organisms such as certain bacteria, myxobacteria, and some protists. It involves the smooth movement of an organism across a surface, often using secretion of slime or surface proteins. What is this form of motility called? _____

Answer: Gliding

7. This movement gained momentum in the 19th century, with leaders like William Lloyd Garrison and Frederick Douglass calling for the immediate end of slavery. It played a major role in antebellum politics and led to the 13th Amendment. What is this reform movement? _____

Answer: Abolition

8. **Math Computation:** What is the slope of the line that passes through the points $(-2, 5)$ and $(3, -1)$? _____
[read: negative two comma five and three comma negative one]

Answer: $-6/5$

9. This 2025 racing game for Nintendo Switch 2 introduces open-world tracks, supports up to 24-player races, and lets players drive off-road or explore freely between courses. What is this game that reinvented its franchise? _____

Answer: *Mario Kart World*

**OSSAA 2025-2026
AREA GAME 3
QUARTER 1
TOSS-UP QUESTIONS**

10. **Math Computation:** What is the volume, in cubic units, of a cylinder with radius 4 and height 10?
[read: radius four and height ten]

Answer: 160π

11. Granted under international law, this legal doctrine protects foreign diplomats from prosecution or lawsuits in the host country. It ensures that ambassadors and other officials can perform their duties without fear of coercion or harassment. What is this protection, formally codified in the 1961 Vienna Convention?

Answer: Diplomatic immunity

12. This literary character is the daughter of a country squire who attempts to force her into a marriage with Blifil, though her affections lie elsewhere. She tries to maintain her independence and integrity even as she is drawn into scandal. Name this heroine of Tom Jones by Henry Fielding.

Answer: Sophia Western

13. **Math Computation:** What is the greatest common factor of 84 and 126?

Answer: 42

14. Published in 1984, this novel follows a Soviet submarine captain who attempts to defect to the United States with his crew and a cutting-edge stealth sub. As the U.S. Navy races to assist, the Soviets scramble to stop him. Name this debut novel by Tom Clancy.

Answer: *The Hunt for Red October*

**OSSAA 2025-2026
AREA GAME 3
QUARTER 1
TOSS-UP QUESTIONS**

15. In August of 2025, a pop superstar and an NFL star announced their engagement via Instagram. Their announcement quickly became a viral moment worldwide. Name these recently engaged celebrities.

Answer: Taylor Swift and Travis Kelce

16. Plants respond to these environmental challenges, which include non-living factors like drought or temperature, and living threats like pests or pathogens. Together, they affect growth, yield, and survival. What are these two categories of stress called?

Answer: Abiotic and biotic stresses

17. Joseph Stalin attended both the Yalta and Potsdam Conferences, where the Allies planned the division and rebuilding of Europe after World War II. However, between the two meetings, Franklin D. Roosevelt and Winston Churchill were replaced. Name the two men who took their places.

Answer: Harry S. Truman and Clement Attlee

18. **Math Computation:** What is the square root of 289?

Answer: 17

19. Beginning in 18th-century Britain, this era saw a shift from manual labor to machines with inventions like the spinning jenny and steam engine. What period transformed economies and labor in Europe and the U.S.?

Answer: Industrial Revolution

**OSSAA 2025-2026
AREA GAME 3
QUARTER 1
TOSS-UP QUESTIONS**

20. This novel begins with Laura Chase's death and includes her novel-within-a-novel about a political affair. Her sister Iris later reveals family secrets tied to a Canadian dynasty. What Margaret Atwood novel is this? _____

Answer: The Blind Assassin

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 and this is not your substitution meeting. (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)

2nd Quarter – Sixty Second Instructions

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

The categories for the 2nd quarter are: (Brief description)

- 1. SOCIAL STUDIES – PRESIDENTIAL LOSERS**
- 2. SCIENCE – PERIODIC TABLE ELEMENTS BELOW**
- 3. POP CULTURE – BILLBOARD TOP 100 HITS 1986**

Teams, you may huddle with your team and coach away from the playing table for 30 seconds to discuss substitutions and category selection. Please leave all paper and pencils at your table during this huddle. Your 30 seconds begins now. (Begin time) Time is up, please return to your tables. Do not bring anything back to the table with you.

Teams, please designate your captains for this round.

Because (school name) is ahead at this time, they will have the choice to play or defer until the 4th 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 3RD QUARTER TOSS-UP QUESTIONS.

**OSSAA 2025-2026
AREA GAME 3
QUARTER 2
LIGHTNING ROUND**

Social Studies: Presidential Losers

Directions: Given the election year and the winning president, name the losing opponent.

- | | |
|--------------------------------|--|
| 1. 1984; Ronald Reagan | Walter F. <u>Mondale</u> |
| 2. 1944; Franklin D. Roosevelt | Thomas E. <u>Dewey</u> |
| 3. 2024; Donald Trump | Kamala <u>Harris</u> |
| 4. 1960; John F. Kennedy | Richard M. <u>Nixon</u> (Accept
Harry F. <u>Byrd</u>) |
| 5. 1864; Abraham Lincoln | George B. <u>McClellan</u> |
| 6. 1976; Jimmy Carter | Gerald R. <u>Ford</u> |
| 7. 1820; James Monroe | <u>John Quincy Adams</u> |
| 8. 2008; Barack Obama | John <u>McCain</u> |
| 9. 2016; Donald Trump | <u>Hillary Clinton</u> |
| 10. 1964; Lyndon B. Johnson | Barry M. <u>Goldwater</u> |

Extras:

- | | |
|--------------------------------|--------------------------------|
| 11. 1956; Dwight D. Eisenhower | Adlai <u>Stevenson</u> |
| 12. 1908; William H. Taft | William J. <u>Bryan</u> |

**OSSAA 2025-2026
AREA GAME 3
QUARTER 2
LIGHTNING ROUND**

Science: Periodic Table Elements Below

Directions: Given the following elements from the periodic table, name the element directly beneath it.

- | | |
|---------------|------------|
| 1. Hydrogen | Lithium |
| 2. Lithium | Sodium |
| 3. Beryllium | Magnesium |
| 4. Carbon | Silicon |
| 5. Nitrogen | Phosphorus |
| 6. Oxygen | Sulfur |
| 7. Fluorine | Chlorine |
| 8. Chlorine | Bromine |
| 9. Sodium | Potassium |
| 10. Magnesium | Calcium |

Extras:

- | | |
|--------------|-----------|
| 11. Aluminum | Gallium |
| 12. Silicon | Germanium |

**OSSAA 2025-2026
AREA GAME 3
QUARTER 2
LIGHTNING ROUND**

Pop Culture: Billboard Top 100 hits 1986

Directions: Given the name of the song found in billboard's top 100 from 1986, name the artist.

- | | |
|------------------------------------|------------------------|
| 1. <i>Say You, Say Me</i> | Lionel <u>Richie</u> |
| 2. <i>How Will I Know</i> | Whitney <u>Houston</u> |
| 3. <i>Burning Heart</i> | Survivor |
| 4. <i>Kyrie</i> | Mr. Mister |
| 5. <i>Addicted to Love</i> | Robert <u>Palmer</u> |
| 6. <i>You Give Love a Bad Name</i> | Bon Jovi |
| 7. <i>Kiss</i> | Prince |
| 8. <i>Papa Don't Preach</i> | Madonna |
| 9. <i>True Colors</i> | Cyndi <u>Lauper</u> |
| 10. <i>Take Me Home Tonight</i> | Eddie Money |
| Extras: | |
| 11. <i>These Dreams</i> | Heart |
| 12. <i>Danger Zone</i> | Kenny <u>Loggins</u> |

**OSSAA 2025-2026
AREA GAME 3
QUARTER 3
TOSS-UP QUESTIONS**

Team 1 Team 2

21. These specialized cells reflect light using stacks of guanine crystals, often creating metallic or iridescent colors in animals. They work alongside chromatophores and are found in creatures like cuttlefish and chameleons. What are these reflective pigment cells called?

Answer: Iridophores

22. This Native leader led a 1,200-mile retreat toward Canada to avoid forced relocation. After battles with U.S. troops, he surrendered near the border in 1877. Name this Nez Perce chief who said, "I will fight no more forever."

Answer: Chief Joseph (or Young Joseph or Joseph the Younger)

23. **Math Computation:** What is the sum of the interior angles, in degrees, of a hexagon?

Answer: 720 degrees

24. This Himalayan kingdom borders China and India and is known for its Buddhist culture and Gross National Happiness policy. What country is often called the "Land of the Thunder Dragon"?

Answer: Bhutan

25. **Math Computation:** Simplify $\ln(e^7)$.
[read: natural log of e to the seventh power]

Answer: 7

**OSSAA 2025-2026
AREA GAME 3
QUARTER 3
TOSS-UP QUESTIONS**

26. This chemistry principle states that matter cannot be created or destroyed in a chemical reaction; it only changes forms. The total mass of reactants equals the total mass of products. What is this foundational scientific law called? _____

Answer: Law of Conservation of Matter

27. **Math Computation:** Find the midpoint between the points (10, -4) and (4, 2). _____

[read: ten comma negative four and four comma two]

Answer: (7, -1)

28. In this novel, Macy Queen takes a summer job with a catering crew after her father's death and meets Wes, who helps her loosen her perfectionist ways through a game of "Truth." Name this young adult novel by Sarah Dessen. _____

Answer: *The Truth About Forever*

29. This German climatologist developed a widely used system in the late 19th century that classifies the world's climates based on temperature and precipitation. His system includes categories like tropical, arid, and temperate. Identify the man after whom this system was named. _____

Answer: Wladimir Köppen

30. **Math Computation:** What is the probability of flipping a coin four times and getting heads every time? _____

Answer: 1/16

**OSSAA 2025-2026
AREA GAME 3
QUARTER 3
TOSS-UP QUESTIONS**

31. This character attends a space military school, excels at simulated battles, and unknowingly leads a real attack that wipes out the Formics. Name this titular protagonist of a novel by Orson Scott Card.

Answer: Ender Wiggin

32. This actress first gained international attention for her role in the BBC miniseries *The White Queen* and later portrayed MI6 agent Ilsa Faust in several *Mission: Impossible* films. She stars in the series *Silo* and plays Lady Jessica in *Dune*. Name this Swedish actress.

Answer: Rebecca Ferguson

33. Formed in 1949, this alliance of Western nations was created for mutual defense against Soviet threats and later added members like Turkey and Spain. What Cold War-era organization includes the U.S., Canada, and much of Europe?

Answer: NATO (North Atlantic Treaty Organization)

34. This biome features hot, dry summers and mild, wet winters, with vegetation like shrubs and small trees adapted to fire and drought. Found in places like coastal California and the Mediterranean, what is this shrubland ecosystem called?

Answer: Chaparral

35. This musical concept involves the combination of simultaneously sounded notes to produce chords and chord progressions. It can be consonant or dissonant and serves as a foundational element in Western tonal music. What is this term that refers to the vertical aspect of music?

Answer: Harmony

**OSSAA 2025-2026
AREA GAME 3
QUARTER 3
TOSS-UP QUESTIONS**

36. This 1872 novel follows radicals in a Russian town, including Pyotr Verkhovensky and Nikolai Stavrogin, as extremist plots unravel. It was inspired by *The People's Vengeance* group's murder of Ivan Ivanov. Name this work by Fyodor Dostoyevsky.

Answer: Demons (accept: The Devils or The Possessed)

37. This hill was captured on July 1, 1898, during the Spanish-American War, around the same time as the nearby assault on San Juan Hill. Dismounted cavalry units, including the Rough Riders and Buffalo Soldiers, charged its slopes near Santiago de Cuba. Name this hill named for a nearby boiler.

Answer: Kettle Hill

38. This 1972 Supreme Court case affirmed First Amendment protections by holding that religious liberty could override compulsory education laws. It arose when Amish parents refused to keep their children in school past eighth grade. Name this decision limiting state authority over religious communities.

Answer: Wisconsin v. Yoder

39. These jeweled objects were created for Russian tsars Alexander III and Nicholas II as Easter gifts for their wives. Made by a famous St. Petersburg jeweler, they often contained hidden surprises. What are these luxurious Imperial ornaments called?

Answer: Fabergé Eggs

**OSSAA 2025-2026
AREA GAME 3
QUARTER 3
TOSS-UP QUESTIONS**

40. Set in 1970s Harlem, this novel follows a young woman pregnant with her fiancé's child as she fights to prove his innocence in a false rape case. Her family works to free him amid racial injustice and legal setbacks. Name this novel by James Baldwin.

Answer: If Beale Street Could Talk

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 and this is not your substitution meeting. (Pause briefly for protests.)
Are there any questions?

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

4th Quarter – Sixty Second Instructions

Moderator The fourth quarter of sixty second questions is about to begin. Everyone please be seated.
The categories for the 4th quarter are: (Brief description)
1. LITERATURE – FINISH THE SHAKESPEARE QUOTE
2. SCIENCE – CONSTELLATIONS
3. MATH – IDENTIFYING SIGNIFICANT DIGITS

Teams, you may huddle with your team and coach away from the playing table for 30 seconds to discuss substitutions and category selection. Please leave all paper and pencils at your table during this huddle. Your 30 seconds begins now. (Begin time) Time is up, please return to your tables. Do not bring anything back to the table with you.

Teams, please designate your captains for this round.

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 2025-2026
AREA GAME 3
QUARTER 4
LIGHTNING ROUND**

Literature: Finish the Shakespeare Quote

Directions: Given the first part of the quote, finish the famous line.

- | | |
|---|-----------------|
| 1. This above all to thine own self be BLANK | true |
| 2. That which we call a rose, by any other word would smell as BLANK | sweet |
| 3. All that glitters is not BLANK | gold |
| 4. If music be the food of love BLANK | play on |
| 5. Some are born great, some BLANK greatness | achieve |
| 6. Uneasy lies the head that wears a BLANK | crown |
| 7. Parting is such sweet BLANK | sorrow |
| 8. The fool doth think he is wise, but the wise man knows himself to be a BLANK | fool |
| 9. There is nothing either good or bad but BLANK makes it so | thinking |
| 10. The course of true love never did run BLANK | smooth |

Extras:

- | | |
|--|----------------|
| 11. Love all, trust a BLANK | few |
| 12. All the world's a stage and all the men and women merely BLANK | players |

**OSSAA 2025-2026
AREA GAME 3
QUARTER 4
LIGHTNING ROUND**

Science: Constellations

Directions: Given the clue, name the constellation.

- | | |
|--|-------------|
| 1. Hunter in Greek mythology, contains the stars Betelgeuse and Rigel. | Orion |
| 2. Creature that killed Orion in myth, visible in summer sky. | Scorpius |
| 3. Contains the bright star Regulus. | Leo |
| 4. Named for a maiden, contains the bright star Spica. | Virgo |
| 5. Mythical winged horse, known for its large square. | Pegasus |
| 6. Constellation of the sea goat. | Capricornus |
| 7. The water bearer, part of the zodiac and near Capricornus. | Aquarius |
| 8. Contains the bright star Aldebaran. | Taurus |
| 9. Represents twins, contains the stars Castor and Pollux. | Gemini |
| 10. Northern constellation shaped like a W or M, named for a queen. | Cassiopeia |

Extras:

- | | |
|---|------------|
| 11. Ursa Major contains this constellation's pointer star. | Ursa Minor |
| 12. Large northern constellation, includes the Big Dipper asterism. | Ursa Major |

**OSSAA 2025-2026
AREA GAME 3
QUARTER 4
LIGHTNING ROUND**

Math: Identifying Significant Digits

Directions: Given a number, identify how many significant digits it has.

- | | |
|--------------------------|---|
| 1. 45.20 | 4 |
| 2. 0.00740 | 3 |
| 3. 1200 | 2 |
| 4. 1.000 | 4 |
| 5. 300.0 | 4 |
| 6. 0.00052 | 2 |
| 7. 6.02×10^{23} | 3 |
| 8. 100 | 1 |
| 9. 100. | 3 |
| 10. 0.1050 | 4 |
| Extras: | |
| 11. 7.0 | 2 |
| 12. 402 | 3 |

**OSSAA 2025-2026
AREA GAME 3
EXTRA QUESTIONS**

Extra Questions

Team 1	Team 2
--------	--------

E1. This physicist shared the 2004 Nobel Prize for discovering asymptotic freedom in quantum chromodynamics. He also worked on anyons, axions, and time crystals. Name this scientist who co-authored a 1973 paper with David Gross and H. David Politzer.

_____	_____
-------	-------

Answer: Frank Wilczek

E2. This 19th-century nurse cut death rates during the Crimean War by improving sanitation. She later founded a nursing school and used statistics to push for reform. Name this British woman known as the founder of modern nursing.

_____	_____
-------	-------

Answer: Florence Nightingale

E3. This traditional Japanese pottery technique involves removing ceramics from a hot kiln and cooling them rapidly, often in water or combustible materials, creating unique textures and colors. Commonly used in tea ceremonies, what is this firing method called?

_____	_____
-------	-------

Answer: Raku

E4. This picture book follows a bad-tempered insect who challenges increasingly larger animals to a fight throughout the day, only to retreat each time. As the story progresses, clocks on each page mark the passing hours. Name this 1977 children's book written and illustrated by Eric Carle.

_____	_____
-------	-------

Answer: *The Grouchy Ladybug*

**OSSAA 2025-2026
AREA GAME 3
EXTRA QUESTIONS**

E5. This author is known for creating the *Mistborn* series and the expansive Cosmere universe. He was also chosen to complete Robert Jordan's *The Wheel of Time* series after Jordan's death. Who is this prolific fantasy writer?

Answer: Brandon Sanderson

E6. **Math Computation:** What value of c makes $x^2 - 16x + c$ a perfect square trinomial?

Answer: 64

E7. **Math Computation:** What is 225 degrees in radians? Give your answer in terms of pi.

Answer: $(5\pi)/4$

E8. This Keynesian strategy boosts the economy during downturns by increasing government spending to raise demand. It was used during the New Deal to fight the Great Depression. What is this approach to jumpstart growth?

Answer: Pump Priming

E9. This body enforced royal authority in northern England and helped suppress the Pilgrimage of Grace. Based in York, it operated during the Tudor and early Stuart periods. What was this regional governing council?

Answer: Council of the North

**OSSAA 2025-2026
AREA GAME 3
EXTRA QUESTIONS**

E10. This satirical poem mocks literary dullness and targets writers like Colley Cibber and Lewis Theobald. First published anonymously in 1728, it was later expanded to four books. Name this work by Alexander Pope.

Answer: *The Dunciad*

2025-2026

**OSSAA
AREA
CHAMPIONSHIP**

High School

GAME 4

(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 2025-2026
AREA GAME 4
QUARTER 1
TOSS-UP QUESTIONS**

Team 1 Team 2

1. This ecological concept describes how organisms adapt to specific niches, reducing competition by focusing on particular food sources, habitats, or behaviors. It increases efficiency but limits flexibility. What is this strategy called?

Answer: Specialization

2. **Math Computation:** A worker is paid \$22 hourly and earns double time for any hours over 40. How much is earned in a 60-hour week?

Answer: \$1,760

3. Published anonymously in 1748, this work classifies governments and argues for a separation of powers based on a nation's conditions. It later influenced the U.S. Constitution. Name this political treatise by Montesquieu.

Answer: *The Spirit of the Laws*

4. This law in electromagnetism relates the electric flux through a closed surface to the charge enclosed within that surface. It is an application of the divergence theorem and helps calculate electric fields. What is this fundamental law called?

Answer: Gauss's Law (accept also Gauss's flux theorem)

5. This 2022 film blends sci-fi, martial arts, and absurdist comedy as a laundromat owner travels through the multiverse to stop a powerful force. It won seven Academy Awards, including Best Picture. What is this film starring Michelle Yeoh?

Answer: *Everything Everywhere All At Once*

**OSSAA 2025-2026
AREA GAME 4
QUARTER 1
TOSS-UP QUESTIONS**

6. This simple machine allows objects to be raised with less effort by increasing the distance over which force is applied. Examples include ramps and sloped roads. What is this flat surface set at an angle to the horizontal called? _____

Answer: Inclined plane

7. **Math Computation:** Multiply and simplify the binomial: $(2x - 4)(x + 6)$. _____

[read: the quantity two x minus four times the quantity x plus six]

Answer: $2x^2 + 8x - 24$

8. This character, wife of Humphrey Chimpden Earwicker and mother of Shem and Shaun, appears in a river-like passage filled with puns and multilingual wordplay. Name this figure from *Finnegans Wake* by James Joyce. _____

Answer: Anna Plurabelle

9. This delay occurs when policymakers take time to recognize issues and implement solutions, often during recessions or inflation. Caused by internal decision-making processes, what is this type of policy lag called? _____

Answer: Inside Lag

10. **Math Computation:** What value of x satisfies the equation $4x + 3 = 2x - 9$? _____

[read: four x plus three equals two x minus nine]

Answer: -6

**OSSAA 2025-2026
AREA GAME 4
QUARTER 1
TOSS-UP QUESTIONS**

11. This singer-songwriter flew aboard Blue Origin's 2025 all-female spaceflight—riding the reusable New Shepard rocket into sub-orbital space—to draw attention to women in space exploration and became a pop culture icon in aerospace. Who is she? _____

Answer: Katy Perry

12. Signed in 1928 by over 60 nations, this pact renounced war as a tool of policy. Though it failed to prevent future conflicts, it reflected hopes for peace after World War I. What agreement is named for the U.S. and French foreign ministers? _____

Answer: Kellogg-Briand Pact

13. This university was the site of a September 10, 2025 assassination during a speaking event when conservative commentator Charlie Kirk was shot and killed while addressing a crowd — what is the name of this campus? _____

Answer: Utah Valley University (accept also UVU)

14. These microscopic channels connect the cytoplasm of adjacent plant cells, allowing for the transport of water, ions, and small molecules. They pass through cell walls and are vital for communication and coordination. What are these structures called? _____

Answer: Plasmodesmata

15. Located in Article VI of the Constitution, this clause states that federal laws and treaties override conflicting state laws. It has supported national authority in many Supreme Court cases. What is this clause called? _____

Answer: Supremacy Clause

**OSSAA 2025-2026
AREA GAME 4
QUARTER 1
TOSS-UP QUESTIONS**

16. This children's series begins with a boy spending summer in New Jersey, keeping a diary of his business schemes with neighbor Midge. First published in 1958, what humorous series was written by Keith Robertson? _____

Answer: *Henry Reed*

17. This global network began as the U.S. Defense Department's ARPANET and uses protocols like TCP/IP to share information. Public use expanded in the 1990s. What system forms the backbone of modern digital communication? _____

Answer: The Internet

18. This art form focuses on capturing the human body in various poses, often using live models to study anatomy, proportion, and gesture. It's a fundamental practice in classical and contemporary art training. What is this type of drawing called? _____

Answer: Figure drawing (accept also Life drawing)

19. **Math Computation:** Tangents drawn from a point outside a circle form an angle of 50 degrees. What is the measure of the intercepted arc? _____

[read: fifty degrees]

Answer: 130 degrees

**OSSAA 2025-2026
AREA GAME 4
QUARTER 2
LIGHTNING ROUND**

20. This kind, loyal daughter of a wealthy London family loses her fortune and marries George Osborne, who dies at Waterloo. Her character contrasts with the cunning Becky Sharp. Name this figure from *Vanity Fair* by William Makepeace Thackeray.

Answer: Amelia Sedley

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 and this is not your substitution meeting. (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)

2nd Quarter – Sixty Second Instructions

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

The categories for the 2nd quarter are: (Brief description)

1. SPORTS – NFL HALL OF FAME

2. POP CULTURE – 2025 BET AWARD WINNERS

3. POP CULTURE – TOP FILMS OF 2006

Teams, you may huddle with your team and coach away from the playing table for 30 seconds to discuss substitutions and category selection. Please leave all paper and pencils at your table during this huddle. Your 30 seconds begins now. (Begin time) Time is up, please return to your tables. Do not bring anything back to the table with you.

Teams, please designate your captains for this round.

Because (school name) is ahead at this time, they will have the choice to play or defer until the 4th 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

3RD QUARTER TOSS-UP QUESTIONS.

**OSSAA 2025-2026
AREA GAME 4
QUARTER 2
LIGHTNING ROUND**

Sports: NFL Hall of Fame

Directions: Given a brief description, identify the following members of the NFL hall of fame.

- | | |
|---|------------------------|
| 1. 49ers quarterback who threw the winning touchdown in Super Bowl 23. | Joe <u>Montana</u> |
| 2. Bears running back nicknamed "Sweetness." | Walter <u>Payton</u> |
| 3. Steelers quarterback who won four Super Bowls in the 1970s. | Terry <u>Bradshaw</u> |
| 4. Legendary Browns running back who retired at his peak in 1965. | Jim <u>Brown</u> |
| 5. Cowboys quarterback known for leading "America's Team" in the 1990s. | Troy <u>Aikman</u> |
| 6. Wide receiver with the most career receiving yards in NFL history. | Jerry <u>Rice</u> |
| 7. Giants linebacker known for revolutionizing the outside pass rush. | Lawrence <u>Taylor</u> |
| 8. Colts quarterback with over 400 touchdown passes, also played for the Broncos. | <u>Peyton Manning</u> |
| 9. Cornerback and kick returner known for his swagger and interceptions. | <u>Deion Sanders</u> |
| 10. Dolphins quarterback with the most career passing yards in the 1980s. | Dan <u>Marino</u> |

Extras:

- | | |
|--|--------------------|
| 11. Packers quarterback who won three straight MVP awards in the 1990s. | Brett <u>Favre</u> |
| 12. Raiders punishing defensive back known for his hits, wore number 32. | Jack <u>Tatum</u> |

**OSSAA 2025-2026
AREA GAME 4
QUARTER 2
LIGHTNING ROUND
POP CULTURE: 2025 BET Awards Winners**

Directions: Given the category, name the BET award winner as of June 9, 2025.

- | | |
|-------------------------------|---------------------------------|
| 1. Best Female R&B/Pop Artist | SZA (<i>pronounced sizza</i>) |
| 2. Best Male R&B/Pop Artist | Chris Brown |
| 3. Best Group | Future & Metro Boomin |
| 4. Best Female Hip Hop Artist | Doechii |
| 5. Best Male Hip Hop Artist | Kendrick Lamar |
| 6. Best New Artist | Leon Thomas |
| 7. Album of the Year | GNX |
| 8. Best Actor (Film/TV) | Denzel Washington |
| 9. Best Actress (Film/TV) | Cynthia Erivo |
| 10. Sportswoman of the Year | Angel Reese |
| Extras: | |
| 11. Video of the Year | "Not Like Us" |
| 12. Sportsman of the Year | Jalen Hurts |

**OSSAA 2025-2026
AREA GAME 4
QUARTER 2
LIGHTNING ROUND**

Pop Culture: Top Films of 2006

Directions: Given the description, name the highest-grossing U.S. films from 2006 at the domestic box office.

- | | |
|--|---|
| 1. Captain Jack Sparrow searches for Davy Jones' heart. | <i>Pirates of the Caribbean:
Dead Man's Chest</i> |
| 2. A symbologist uncovers a religious conspiracy in Europe. | <i>The Da Vinci Code</i> |
| 3. James Bond returns in a gritty reboot starring Daniel Craig. | <i>Casino Royale</i> |
| 4. Lightning McQueen learns life lessons in a forgotten town. | <i>Cars</i> |
| 5. Mutants clash over a "cure" in the final installment of the original trilogy. | <i>X-Men: The Last Stand</i> |
| 6. An animated sloth, mammoth, and saber-tooth survive a flood | <i>Ice Age: The Meltdown</i> |
| 7. A night guard discovers museum exhibits come to life. | <i>Night at the Museum</i> |
| 8. A zoo lion and his friends are accidentally shipped to Africa | <i>Madagascar</i> |
| 9. Kal El stops Lex Luthor's plan for a kryptonite continent. | <i>Superman Returns</i> |
| 10. An IMF agent returns to stop a rogue agent and a bioweapon. | <i>Mission: Impossible III</i> |

Extras:

- | | |
|--|-----------------------|
| 11. Animated animals raid suburbia for food after waking from hibernation. | <i>Over the Hedge</i> |
| 12. A penguin who can't sing tap dances to find his place. | <i>Happy Feet</i> |

**OSSAA 2025-2026
AREA GAME 4
QUARTER 3
TOSS-UP QUESTIONS**

Team 1 Team 2

21. **Math Computation:** How much simple interest is earned on \$1,800 over 2 years at an annual rate of 7%?

Answer: \$252

22. This YouTube channel, started by a group of college roommates, became famous for sports trick shots and comedy challenges. With millions of subscribers, they've expanded into tours, merchandise, and even a theme park project. What is the name of this channel?

Answer: Dude Perfect

23. Premiering in 1865 with music by Richard Wagner, this opera tells the tragic love story of a Cornish knight and an Irish princess. Known for its emotional intensity and the famous "Liebestod" aria, what is this landmark work of Romantic opera?

Answer: *Tristan and Isolde*

24. In this novel, a second grader tries to get freckles using a strange recipe from a girl named Sharon after being teased by a classmate. Name this children's book by Judy Blume.

Answer: *Freckle Juice*

**OSSAA 2025-2026
AREA GAME 4
QUARTER 3
TOSS-UP QUESTIONS**

25. This U.S. president was elected to four terms and led the nation through the Great Depression and most of World War II. He established the New Deal and delivered the famous "Day of Infamy" speech after Pearl Harbor. Who was this 32nd president? _____

Answer: Franklin D. Roosevelt (also accept FDR)

26. **Math Computation:** Find the area of a trapezoid with a height of 7 and bases measuring 9 and 17. _____

Answer: 91 square units

27. This Greek architectural order is the oldest and simplest, characterized by sturdy columns with fluted shafts, plain capitals, and no base. It was used in structures like the Parthenon. What is this classical column style? _____

Answer: Doric

28. This 1849 painting depicts the Holy Family in a carpenter's workshop, with the young central figure having just injured his hand, prefiguring the crucifixion. It was created using oil on panel by a founding member of the Pre-Raphaelite Brotherhood. Identify this work by John Everett Millais. _____

Answer: *The Boyhood of Christ*

29. **Math Computation:** Simplify 3 raised to the fourth power. [read: three to the fourth power] _____

Answer: 81

**OSSAA 2025-2026
AREA GAME 4
QUARTER 3
TOSS-UP QUESTIONS**

30. This reformer co-organized the 1848 Seneca Falls Convention and co-wrote the Declaration of Sentiments. She later worked with Susan B. Anthony for women's suffrage. Name this early leader in American feminism.

Answer: Elizabeth Cady Stanton

31. This dark nebula in the constellation Orion gets its name from its distinctive shape, silhouetted against a bright background of ionized hydrogen. It's located near the star Alnitak in Orion's Belt. What is this famous interstellar cloud called?

Answer: Horsehead Nebula

32. **Math Computation:** What is the value of *log base 2 of 1/8*?
[read: log base two of one eighth]

Answer: -3

33. This order includes species with a four-chambered heart, a complete secondary palate, and complex parental care behaviors. Fossil evidence and genetic data show they are more closely related to birds than to other reptiles. What is this reptilian order that includes caimans, gharials, and alligators?

Answer: Crocodilia

34. During the 2025 youth-led protests in Nepal, demonstrators draped the black pirate skull flag wearing a straw hat — borrowed from a popular Japanese manga/anime — on parliament gates as a sign of defiance against corruption and oppression. Which series does this flag come from?

Answer: *One Piece*

**OSSAA 2025-2026
AREA GAME 4
QUARTER 3
TOSS-UP QUESTIONS**

35. Conducted from 1965 to 1968, this sustained bombing campaign targeted North Vietnam in an effort to weaken its war-making capacity. It marked a major escalation of U.S. involvement in the Vietnam War. What was this air operation authorized by President Lyndon B. Johnson? _____

Answer: Operation Rolling Thunder

36. This ion forms when an atom or molecule gains electrons, giving it a negative charge. It's attracted to the positive electrode in electrolysis and appears in compounds like chloride or sulfate. What is this type of ion? _____

Answer: anion

37. This character stays optimistic despite debt and prison, often saying "something will turn up." He later helps expose Uriah Heep's schemes. Name this figure from Charles Dickens's *David Copperfield*. _____

Answer: Wilkins Micawber

38. Sent in 1917, this secret German message offered Mexico U.S. territory if it joined the war against the Allies. Its interception helped push the U.S. toward entering World War I. What was this telegram? _____

Answer: Zimmermann Note (accept: Zimmerman Telegram)

39. This geological term describes a widespread and rapid decrease in biodiversity, often marked by the disappearance of many species in a relatively short time. Examples include the end-Permian and end-Cretaceous events. What is this catastrophic phenomenon called? _____

Answer: Mass extinction event

**OSSAA 2025-2026
AREA GAME 4
QUARTER 3
TOSS-UP QUESTIONS**

40. This gentle character, on death row during the Great Depression, is accused of murdering two girls but shows healing powers, including curing illness and reviving a mouse. Portrayed by Michael Clarke Duncan in *The Green Mile*, who is this character? _____

Answer: John Coffey

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 and this is not your substitution meeting. (Pause briefly for protests.)
Are there any questions?

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

4th Quarter – Sixty Second Instructions

Moderator **The fourth quarter of sixty second questions is about to begin. Everyone please be seated.**
The categories for the 4th quarter are: (Brief description)
1. SOCIAL STUDIES – WORLD CAPITALS EUROPE
2. LITERATURE – AFRICAN AMERICAN POETS AND THEIR WORKS
3. FINE ARTS – BOOKS OF THE BIBLE (THE BOOK THAT COMES BEFORE)

Teams, you may huddle with your team and coach away from the playing table for 30 seconds to discuss substitutions and category selection. Please leave all paper and pencils at your table during this huddle. Your 30 seconds begins now. (Begin time) Time is up, please return to your tables. Do not bring anything back to the table with you.

Teams, please designate your captains for this round.

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 2025-2026
AREA GAME 4
QUARTER 4
LIGHTNING ROUND**

Social Studies: World Capitals Europe

Directions: Given the country, name its capital city.

- | | |
|--------------------|-----------|
| 1. France | Paris |
| 2. Germany | Berlin |
| 3. Italy | Rome |
| 4. Spain | Madrid |
| 5. Portugal | Lisbon |
| 6. The Netherlands | Amsterdam |
| 7. Greece | Athens |
| 8. Austria | Vienna |
| 9. Sweden | Stockholm |
| 10. Norway | Oslo |

Extras:

- | | |
|-----------------|--------|
| 11. Poland | Warsaw |
| 12. Switzerland | Bern |

**OSSAA 2025-2026
AREA GAME 4
QUARTER 4
LIGHTNING ROUND**

Literature: African American Poets and Their Works

Directions: Given the poem, name the African American poet who wrote it.

- | | |
|---|---------------------------|
| 1. <i>Still I Rise</i> | Maya <u>Angelou</u> |
| 2. <i>I, Too</i> | Langston <u>Hughes</u> |
| 3. <i>We Real Cool</i> | Gwendolyn <u>Brooks</u> |
| 4. <i>Poems on Various Subjects, Religious, and Moral</i> | Phyllis <u>Wheatley</u> |
| 5. <i>Beloved</i> | Toni <u>Morrison</u> |
| 6. <i>Go Tell It on the Mountain</i> | James <u>Baldwin</u> |
| 7. <i>Their Eyes were Watching God</i> | Zora Neale <u>Hurston</u> |
| 8. <i>The Color Purple</i> | Alice <u>Walker</u> |
| 9. <i>Invisible Man</i> | Ralph <u>Ellison</u> |
| 10. <i>Kindred</i> | Octavia E. <u>Butler</u> |
|
Extras: | |
| 11. <i>Roots: The Saga of an American Family</i> | Alex <u>Haley</u> |
| 12. <i>The Souls of Black Folk</i> | W.E.B <u>Du Bois</u> |

**OSSAA 2025-2026
AREA GAME 4
QUARTER 4
LIGHTNING ROUND**

Fine Arts: Books of the Bible (The book that comes before)

Directions: Given a book of the Bible, name the book that comes directly before it.

- | | |
|-----------------|-----------------|
| 1. John | Luke |
| 2. Isaiah | Song of Solomon |
| 3. Psalms | Job |
| 4. Exodus | Genesis |
| 5. Job | Esther |
| 6. Revelation | Jude |
| 7. Proverbs | Psalms |
| 8. Nehemiah | Ezra |
| 9. Luke | Mark |
| 10. Deuteronomy | Numbers |

Extras:

- | | |
|--------------|----------|
| 11. Jeremiah | Isaiah |
| 12. Esther | Nehemiah |

**OSSAA 2025-2026
AREA GAME 4
EXTRA QUESTIONS**

Extra Questions

Team 1 Team 2

E1. This vast Central Asian country is the world's largest landlocked nation and the ninth largest overall by area. It is rich in natural resources such as oil and minerals and was a former Soviet republic. Name this country whose capital city is Nur-Sultan, formerly known as Astana.

Answer: Kazakhstan

E2. This decorative art form involves stitching patterns or images onto fabric using a needle and thread. Practiced worldwide for centuries, it often features in traditional clothing, tapestries, and samplers. What is this textile technique called?

Answer: Embroidery

E3. **Math Computation:** What is the midpoint of a segment whose endpoints are $(-7, -5)$ and $(3, 9)$?

[read: negative seven comma negative five and three comma nine]

Answer: $(-2, 2)$

E4. **Math Computation:** Two dice are rolled. What is the probability that both dice show the same number?

Answer: $1/6$

**OSSAA 2025-2026
AREA GAME 4
EXTRA QUESTIONS**

E5. These factories often pay low wages and have unsafe conditions, especially in industries like garments and electronics. Common in developing countries, they are criticized for labor exploitation. What are these workplaces called? _____

Answer: Sweatshops

E6. This 1992 holiday film adapts a Charles Dickens classic with puppets portraying key characters, including Kermit as Bob Cratchit and Michael Caine as Ebenezer Scrooge. What is this beloved Christmas movie featuring Jim Henson's creations? _____

Answer: The Muppet Christmas Carol

E7. This process involves one group adopting traits such as language, dress, or customs from another, often more dominant, group. It frequently occurs through contact like colonization, migration, or trade and can lead to significant shifts in identity. What is this process of blending and adaptation? _____

Answer: Acculturation (do not accept assimilation)

E8. This radiometric technique measures the decay of isotopes with half-lives of over 700 million years to date rocks, especially zircon crystals. Known for its precision, what is this method used to determine the Earth's oldest materials called? _____

Answer: Uranium-lead dating

E9. This author was the first to win two Newbery Medals, for novels about a Hispanic boy in New Mexico and a Jewish boy in New Jersey. Both were adapted from U.S. documentary work. Name this writer of ...*And Now Miguel* and *Onion John*. _____

Answer: Joseph Krumgold

**OSSAA 2025-2026
AREA GAME 4
EXTRA QUESTIONS**

E10. This concept states that properties like energy or angular momentum can only take specific, discrete values. It helped explain atomic spectra and was key to quantum theory. What is this principle?

Answer: Quantization

2025-2026

**OSSAA
AREA
CHAMPIONSHIP**

High School

GAME 5

(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 2025-2026
AREA GAME 5
QUARTER 1
TOSS-UP QUESTIONS**

Team 1 Team 2

1. **Math Computation:** Find the distance between the points (3, 4) and (7, 1) _____

Answer: 5

2. This brooding character is adopted by Mr. Earnshaw and grows up with Catherine, whom he loves. After returning wealthy, he takes revenge on the Lintons and Earnshaws. Name this antihero from *Wuthering Heights* by Emily Brontë. _____

Answer: Heathcliff

3. **Math Computation:** Given the function $f(x) = 2x^2 - 5x + 3$, what is $f(3)$? _____

[read: f of x equals two x squared minus five x plus 3 ,what is f of three?]

Answer: 6

4. Found in regions like Africa, South America, and Australia, this grassland biome features scattered trees and distinct wet and dry seasons. It often experiences periodic wildfires that help maintain its open landscape and nutrient cycle. Name this ecosystem that typically borders tropical forests and deserts. _____

Answer: Savanna

5. This rare optical phenomenon occurs just after sunset or just before sunrise, when the atmosphere briefly causes the top edge of the sun to flash a distinct color due to refraction and light dispersion. What is this fleeting event called? _____

Answer: Green Flash

**OSSAA 2025-2026
AREA GAME 5
QUARTER 1
TOSS-UP QUESTIONS**

6. In late 1864, this Civil War campaign saw a Union general march from Atlanta to Savannah, destroying infrastructure to weaken the Confederacy. It showcased total war tactics. Name this military campaign.

Answer: Sherman's March to the Sea

7. Important in mineral identification, name any three of the eight most common types of luster used to describe how minerals reflect light.

Answer: Metallic, submetallic, adamantine, glassy, resinous, waxy, pearly, dull (accept any three)

8. In 2025, this actor took over the role of Geralt of Rivia in Netflix's *The Witcher*, replacing Henry Cavill after season three. Known for his role in *The Hunger Games*, who is this Australian actor?

Answer: Liam Hemsworth

9. This American physicist shared the 1936 Nobel Prize in Physics with Victor Hess. He proved the existence of antimatter by discovering the positron in a cloud chamber in 1932. Who was this scientist?

Answer: Carl Anderson

10. In this novel, detective Sam Spade investigates his partner's murder while chasing a valuable statuette linked to the Knights of Malta. He crosses paths with Brigid O'Shaughnessy and Joel Cairo. Name this novel by Dashiell Hammett.

Answer: *The Maltese Falcon*

**OSSAA 2025-2026
AREA GAME 5
QUARTER 1
TOSS-UP QUESTIONS**

11. This tribe built mound-centered villages in eastern Oklahoma, Texas, and Louisiana, practiced advanced farming, and traded widely. Their capital was once Hasinai, and a leader met explorer La Harpe. Name this Native American group.

Answer: Caddo

12. This poem opens a 1974 collection and imagines a place of moon birds and peppermint winds, contrasting childhood with adulthood. It appears with poems like *Sarah Cynthia Sylvia Stout...* Name this Shel Silverstein poem.

Answer: *Where the Sidewalk Ends*

13. Professional players in this industry compete in video games like *League of Legends* and *Valorant*, often drawing massive online audiences and filling arenas worldwide. What is this competitive form of gaming called?

Answer: E-sports

14. In October of 2025 this 22 year old Swedish activist was aboard a ship in the Global Sumud Flotilla — a fleet of aid vessels headed for Gaza — when the convoy was intercepted by the Israeli navy. Name this notable climate-activist.

Answer: Greta Thunberg

15. This concept in thermodynamics occurs when two objects in contact no longer transfer heat between them, meaning they've reached the same temperature. What is this state of balanced thermal energy called?

Answer: Thermal equilibrium

**OSSAA 2025-2026
AREA GAME 5
QUARTER 1
TOSS-UP QUESTIONS**

16. **Math Computation:** Solve the inequality for x . $-2(x - 1) \geq 6$.
[read: negative two open quantity x minus one closed quantity is greater than or equal to six.]

Answer: $x \leq -2$ [x is less than or equal to negative two]

17. This type of art does not represent or depict any specific object, person, or scene from the natural world. Instead, it uses shapes, colors, and forms for pure expression. What is this style of abstract art called?

Answer: Non-objective

18. In this 1835 tale, a royal family hides an object under mattresses to test a visitor. The woman's discomfort proves her noble identity. What fairy tale was written by Hans Christian Andersen?

Answer: *The Princess and the Pea*

19. **Math Computation:** What is the volume of a cylinder with radius 3 and height 10? Provide your answer in terms of π .

Answer: 90π

20. Formed after a 2010 Supreme Court ruling, this group can spend unlimited funds on elections if it stays independent from campaigns. What is this type of organization that plays a major role in modern U.S. politics?

Answer: Super PAC (Political Action Committee)

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 and this is not your substitution meeting. (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)

2nd Quarter – Sixty Second Instructions

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

The categories for the 2nd quarter are: (Brief description)

1. SCIENCE – GEOLOGY “L” TERMS

2. SOCIAL STUDIES – U.S. HISTORICAL COMMANDERS

3. POP CULTURE – FAMOUS JAMES, JIMS, AND JIMMYS

Teams, you may huddle with your team and coach away from the playing table for 30 seconds to discuss substitutions and category selection. Please leave all paper and pencils at your table during this huddle. Your 30 seconds begins now. (Begin time) Time is up, please return to your tables. Do not bring anything back to the table with you.

Teams, please designate your captains for this round.

Because (school name) is ahead at this time, they will have the choice to play or defer until the 4th 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 3RD QUARTER TOSS-UP QUESTIONS.

**OSSAA 2025-2026
AREA GAME 5
QUARTER 2
LIGHTNING ROUND**

Science: Geology "L" Terms

Directions: Given the definition, name the geology term that begins with the letter "L."

- | | |
|--|----------------------|
| 1. Molten rock that reaches Earth's surface. | Lava |
| 2. Fine, wind-deposited silt or clay forming fertile soil. | Loess |
| 3. The rigid outer layer of Earth, including crust and upper mantle. | Lithosphere |
| 4. Sedimentary rock mainly composed of calcium carbonate. | Limestone |
| 5. Pyroclastic material between 2 and 64 mm ejected during volcanic eruptions. | Lapilli |
| 6. Volcanic mudflow or debris flow composed of water and volcanic material. | Lahar |
| 7. A vein of metal ore in the Earth. | Lode |
| 8. Process of sediments becoming solid rock. | Lithification |
| 9. Dome-shaped intrusion of igneous rock between rock layers. | Laccolith |
| 10. Sudden movement of rock and soil down a slope. | Landslide |
| Extras: | |
| 11. Fine layers in sedimentary rocks, thinner than bedding. | Lamination |
| 12. Lens-shaped rock body, often describing certain sedimentary features. | Lenticular |

**OSSAA 2025-2026
AREA GAME 5
QUARTER 2
LIGHTNING ROUND**

Social Studies: U.S. Historical Commanders

Directions: Given the battle, and the commander's first and last initial, name the U.S. commander most prominently associated with it.

- | | |
|---------------------------------------|--------------------------------|
| 1. Battle of Yorktown; G.W. | George <u>Washington</u> |
| 2. Battle of the Bulge; D.E. | Dwight D. <u>Eisenhower</u> |
| 3. Siege of Viterbo; W.S. | Winfield <u>Scott</u> |
| 4. Battle of Manila Bay; G.D. | George <u>Dewey</u> |
| 5. Battle of San Juan Hill; T.R. | Theodore <u>Roosevelt</u> |
| 6. Battle of Midway; C.N. | Chester W. <u>Nimitz</u> |
| 7. Battle of New Orleans; A.J. | Andrew <u>Jackson</u> |
| 8. Invasion of Normandy (D-Day); D.E. | Dwight D. <u>Eisenhower</u> |
| 9. Battle of Little Bighorn; G.C. | George Armstrong <u>Custer</u> |
| 10. Meuse-Argonne Offensive; J.P. | John J. <u>Pershing</u> |

Extras:

- | | |
|------------------------------------|--------------------------|
| 11. Battle of Inchon Landing; D.M. | Douglas <u>MacArthur</u> |
| 12. Battle of Iwo Jima; H.S. | Holland M. <u>Smith</u> |

**OSSAA 2025-2026
AREA GAME 5
QUARTER 2
LIGHTNING ROUND**

Pop Culture: Famous James, Jims, and Jimmys

Directions: Given the description, name the correct James, Jim, or Jimmy. Provide at minimum their last name.

- | | |
|--|----------------------|
| 1. Directed <i>Titanic</i> and <i>Avatar</i> . | James <u>Cameron</u> |
| 2. U.S. President from Georgia who won the Nobel Peace Prize. | Jimmy <u>Carter</u> |
| 3. Starred in <i>Rebel Without a Cause</i> before his tragic death. | James <u>Dean</u> |
| 4. Creator of <i>the Muppets</i> and <i>Sesame Street</i> characters. | Jim <u>Henson</u> |
| 5. Host of <i>The Tonight Show</i> since 2014. | Jimmy <u>Fallon</u> |
| 6. Legendary guitarist known for <i>Purple Haze</i> . | Jimmy <u>Hendrix</u> |
| 7. Lead singer of <i>The Doors</i> . | Jim <u>Morrison</u> |
| 8. Godfather of Soul and funk music pioneer. | James <u>Brown</u> |
| 9. Author of <i>Go Tell It on the Mountain</i> and civil rights voice. | James <u>Baldwin</u> |
| 10. Star of <i>The Mask</i> and <i>Ace Ventura</i> . | Jim <u>Carey</u> |

Extras:

- | | |
|--|--------------------|
| 11. Irish author of <i>Ulysses</i> . | James <u>Joyce</u> |
| 12. Cartoonist who created <i>Garfield</i> . | Jim <u>Davis</u> |

**OSSAA 2025-2026
AREA GAME 5
QUARTER 3
TOSS-UP QUESTIONS**

Team 1 Team 2

21. This empire preserved Roman law through the Corpus Juris Civilis and used Greek as its official language. It withstood the Arab sieges of Constantinople and saw rulers like Justinian I. Name this Eastern Roman Empire centered in Constantinople.

Answer: Byzantine Empire

22. In this 1980 novel, a boy finds that a toy Iroquois and cowboy come to life in a magical cupboard. He hides them and faces conflict when one mocks Native customs. Name this book by Lynne Reid Banks.

Answer: *The Indian in the Cupboard*

23. This chemist explained bonding using quantum mechanics and introduced electronegativity. He won the 1954 Nobel in Chemistry and later a Peace Prize for anti-nuclear activism. Who wrote *The Nature of the Chemical Bond*?

Answer: Linus Pauling

24. In this novel, Jerry Renault defies a chocolate sale at his Catholic school, sparking conflict with a secret student group and faculty. His protest leads to a dangerous power struggle. Name this novel by Robert Cormier.

Answer: *The Chocolate War*

25. **Math Computation:** What is the surface area of a cube with side length 4?

Answer: 96

**OSSAA 2025-2026
AREA GAME 5
QUARTER 3
TOSS-UP QUESTIONS**

26. This witch-like figure from Slavic folklore lives in a hut on chicken legs and flies in a mortar with a pestle. She can be helpful or dangerous in various tales. Name this character from Eastern European legends.

Answer: Baba Yaga

27. **Math Computation:** A right triangle has legs of 6 and 8 units. What is the length of the hypotenuse?

Answer: 10

28. This theatrical concept refers to the imaginary barrier between performers and the audience, which actors typically do not acknowledge. When it's "broken," characters directly address viewers. What is this convention in drama and film called?

Answer: The fourth wall

29. This poem, published in 1896, depicts a young man being carried to his grave shortly after earning public acclaim for winning a race. The speaker remarks that he will never see his record broken or outlive the praise he once received. Name this poem by A.E. Housman.

Answer: *To an Athlete Dying Young*

30. **Math Computation:** Find the distance between the points $(-2, -1)$ and $(4, 2)$.

Answer: $\sqrt{45}$ or $3\sqrt{5}$

**OSSAA 2025-2026
AREA GAME 5
QUARTER 3
TOSS-UP QUESTIONS**

31. This collectible toy — created by Hong Kong artist Kasing Lung and sold primarily through blind boxes by POP MART — became a viral hit worldwide by 2025, known for its pointy ears, toothy grin, and monster-elf charm. What is the name of this plush-toy line?

Answer: Labubu

32. This Southern Cheyenne chief survived the 1864 Sand Creek Massacre and later pursued peace. He was killed in 1868 at the Battle of Washita River while carrying a white flag. Name this leader.

Answer: Black Kettle

33. This geologic feature, formed by the collision of the Indian and Eurasian tectonic plates, is the highest and largest plateau on Earth. It influences climate patterns across Asia and is often called "the Roof of the World." What is this plateau called?

Answer: Tibetan Plateau

34. Serving from 1971 to 1975, this Oklahoma governor expanded vocational education and modernized state government. He was later convicted of bribery and became the first state governor imprisoned. Who was he?

Answer: David Hall

35. This property of cell membranes allows certain molecules to pass through while blocking others, helping maintain homeostasis. It's essential for nutrient uptake and waste removal. What is this key concept in cell biology called?

Answer: Selective permeability

**OSSAA 2025-2026
AREA GAME 5
QUARTER 3
TOSS-UP QUESTIONS**

36. **Math Computation:** Given the function $f(x) = x^3 - 2x$, find $f(-2)$.
[read: f of x equals x cubed minus two x, find f of two.]

Answer: -4

37. This military officer served in both the U.S. Army and the Confederate Army and was killed early in the First Battle of Bull Run. He is credited with giving General Thomas Jackson his famous nickname. Name this Confederate brigadier general who called Jackson a "stone wall."

Answer: Barnard E. Bee

38. In December 2025, Pantone declared a soft, airy white as its 2026 Color of the Year—the first time the organization selected a white shade for this honor. What is the name of this color, listed as PANTONE 11-4201?

Answer: Cloud Dancer

39. This geologic feature forms when water dissolves soluble rock like limestone, creating a cavity that eventually collapses the surface above. Often sudden and hazardous, what is this depression in the ground called?

Answer: Sinkhole

**OSSAA 2025-2026
AREA GAME 5
QUARTER 3
TOSS-UP QUESTIONS**

40. This element of music refers to the variations in loudness between notes or phrases and is used to convey contrast, intensity, and emotion. Commonly indicated through markings like forte, piano, and crescendo, what is this term that governs volume changes in a performance? _____

Answer: Dynamics

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 and this is not your substitution meeting. (Pause briefly for protests.)
Are there any questions?

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

4th Quarter – Sixty Second Instructions

Moderator The fourth quarter of sixty second questions is about to begin. Everyone please be seated.
The categories for the 4th quarter are: (Brief description)
1. SOCIAL STUDIES – PRESIDENTIAL SUCCESSION
2. FINE ARTS – NORSE MYTHOLOGY
3. MATH – DISTANCE FORMULA

Teams, you may huddle with your team and coach away from the playing table for 30 seconds to discuss substitutions and category selection. Please leave all paper and pencils at your table during this huddle. Your 30 seconds begins now. (Begin time) Time is up, please return to your tables. Do not bring anything back to the table with you.

Teams, please designate your captains for this round.

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.

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AREA GAME 5
QUARTER 4
LIGHTNING ROUND**

Social Studies: Presidential Succession

Directions: Given the position, list the one that comes after it in the U.S. line of succession.

- | | |
|--|---|
| 1. Attorney General | Secretary of the Interior |
| 2. Secretary of Agriculture | Secretary of Commerce |
| 3. Secretary of State | Secretary of the Treasury |
| 4. Secretary of the Treasury | Secretary of Defense (or
war) |
| 5. Secretary of Commerce | Secretary of Labor |
| 6. Speaker of the House | <u>President pro tempore</u> of
the Senate |
| 7. Secretary of the Interior | Secretary of Agriculture |
| 8. President pro tempore of the Senate | Secretary of State |
| 9. Secretary of Defense | Attorney General |
| 10. Secretary of Labor | Secretary of Health and
Human Services |
|
Extras: | |
| 11. Secretary of Health and Human Services | Secretary of Housing and
Urban Development |
| 12. Vice President | Speaker of the House |

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AREA GAME 5
QUARTER 4
LIGHTNING ROUND**

Fine Arts: Norse Mythology

Directions: Given a brief description, identify the following regarding Norse mythology.

- | | |
|--|-------------|
| 1. Goddess of the underworld and daughter of Loki. | Hel |
| 2. Serpent that encircles the world and is fated to fight Thor. | Jörmungandr |
| 3. God of light and beauty, whose death signals Ragnarök. | Baldr |
| 4. Prophesized end of the world involving gods and monsters | Ragnarök |
| 5. God of thunder who wields a powerful hammer. | Thor |
| 6. Goddess of love, beauty, and fertility; associated with cats. | Freyja |
| 7. Hall of slain warriors in Asgard, ruled by Odin. | Valhalla |
| 8. The great ash tree that connects the nine worlds. | Yggdrasil |
| 9. Monstrous wolf and child of Loki, fated to kill Odin. | Fenrir |
| 10. Magical hammer wielded by Thor. | Mjölknir |

Extras:

- | | |
|---|----------|
| 11. Warrior maidens who escort the slain to Valhalla. | Valkyrie |
| 12. Thor's wife, known for her golden hair. | Sif |

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AREA GAME 5
QUARTER 4
LIGHTNING ROUND**

Math: Distance Formula

Directions: Use the distance formula $d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$ (read as: d equals the square root of open parenthesis x two minus x one close parenthesis squared plus open parenthesis y two minus y one close parenthesis squared) to find the distance between the two points. Simplify your answer.

- | | |
|--------------------------|-------------|
| 1. (-8, 8) and (-7, 4) | $\sqrt{17}$ |
| 2. (-5, 6) and (-8, 9) | $\sqrt{18}$ |
| 3. (-7, 0) and (-7, 3) | 3 |
| 4. (-4, -1) and (2, 1) | $\sqrt{40}$ |
| 5. (-7, 5) and (-2, 5) | 5 |
| 6. (6, -7) and (3, -7) | 3 |
| 7. (-5, -5) and (-1, -3) | $\sqrt{20}$ |
| 8. (1, 2) and (4, 2) | 3 |
| 9. (0, 0) and (6, 2) | $\sqrt{40}$ |
| 10. (2, 2) and (6, 4) | $\sqrt{20}$ |

Extras:

- | | |
|-------------------------|-------------|
| 11. (-3, -2) and (0, 2) | 5 |
| 12. (3, 1) and (0, -1) | $\sqrt{13}$ |

**OSSAA 2025-2026
AREA GAME 5
EXTRA QUESTIONS**

Extra Questions

Team 1 Team 2

E1. This self-financed series of eight pamphlets, published between 1841 and 1846, signaled its author's early poetic development. Including *Pippa Passes* and *My Last Duchess*, name this Robert Browning collection.

Answer: *Bells and Pomegranates*

E2. **Math Computation:** What is the slope of the line that passes through the points (2, -3) and (6, 5)?

Answer: 2

E3. Established in 1804 under a French emperor, this legal code aimed to unify laws across the empire. It stressed property rights, family law, and legal equality. What is this influential legal code that helped shape many modern legal systems?

Answer: Napoleonic Code

E4. This geologic formation in Mauritania, also called the Richat Structure, is a circular feature visible from space. Believed to have formed as Pangaea began to break apart, it resembles a massive bullseye. What is this feature commonly known as?

Answer: The Eye of the Sahara (Accept "Blue Eye of the Sahara")

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AREA GAME 5
EXTRA QUESTIONS**

E5. This cultural and political movement emerged to unify people of African descent worldwide, promoting solidarity, shared heritage, and resistance to colonialism. It influenced art, literature, and activism throughout the 20th century. What is this movement called? _____

Answer: Pan-Africanism

E6. This French nobleman volunteered in the American Revolutionary War, aided the victory at Yorktown, and became close to George Washington. He later took part in the early French Revolution. Name this aristocrat who championed republican ideals in two nations. _____

Answer: Marquis de Lafayette

E7. This Japanese admiral, architect of the 1941 Pearl Harbor attack, was killed in 1943 when U.S. forces shot down his plane near the Solomon Islands. He aimed to cripple the U.S. Pacific Fleet with a surprise strike. Name this key Imperial Japanese Navy commander. _____

Answer: Isoroku Yamamoto

E8. This climatic phenomenon occurs when moist air rises over a mountain range, causing precipitation on the windward side but dry conditions on the leeward side. It creates arid regions like the Great Basin in the western United States. What is this effect called? _____

Answer: Rain Shadow

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EXTRA QUESTIONS**

E9. In 2025, this high-profile fashion event featured the theme *Superfine: Tailoring Black Style*, celebrating Black designers and heritage in couture. Name this iconic event held annually in New York City.

Answer: Met Gala

E10. **Math Computation:** Find the surface area of a rectangular prism with dimensions 5, 3, and 2.

Answer: 62