

**Northmont Middle School Invitational
Round Eight**

Packets by: David Jones, Emily Bingham, Kara Combs

1. The first African American mayor of this city was Harold Washington and this city was where James Addams and Ellen Starr built Hull House. The Knights of Labor declined after the Haymarket Square Riots occurred in this city that was also the site of the Pullman strike. In 1871, Mrs. O'Leary's cow caused a "Great Fire" in this city. For 10 points, former Obama Chief of Staff Rahm Emanuel is the current mayor of what city that is the most populous in Illinois?

ANSWER: Chicago

BONUS: Identify the following biomes, for 10 points each:

[10] What cold, arctic biome does not have trees, unlike the Taiga biome?

ANSWER: Tundra

[10] Most of southern Africa is classified as what type of biome that can be found on every continent except Antarctica?

ANSWER: Grassland OR Savannah

[10] What kind of forest has high humidity and a large amount of rainfall? These types of forests can be found in Brazil.

ANSWER: Tropical Rainforest (accept either underlined answer)

2. In one of this author's novels, Sydney Carton says "it is a far, far better thing that I do" upon making the decision to replace Charles Darnay at the guillotine. In another novel by this author, Charley Bates and the Artful Dodger teach the title orphan to pickpocket. In another novel by this author, Mr. Fezziwig and Belle are two characters who appear in memories visited by the protagonist and the ghost of the title holiday past. *A Tale of Two Cities*, *Oliver Twist*, and *A Christmas Carol* are by what British author?

ANSWER: Charles Dickens

BONUS: Identify the following Christian sects popular in Early American history. For 10 points each:

[10] William Penn was a member of what religious sect also called the "Society of Friends?" They lend their name to a brand of oatmeal.

ANSWER: Quakers

[10] John Winthrop was a part of what group of Protestants who left England and eventually settled in the Massachusetts Bay Colony?

ANSWER: Puritans

[10] Mother Ann Lee was a member of what religious sect that was named for their behavior during services?

ANSWER: Shakers or United Society of Believers in Christ's Second Appearing

3. **This organ, which contains the medulla, is composed of gray and white matter. The parietal, temporal, occipital, and frontal are the four lobes of this organ. This organ can be observed in an EEG, MRI, or PET scan, and the corpus callosum connects this organ's two hemispheres.** The cerebellum is known as the "little" one of this organ. For 10 points, what organ comprises the central nervous system along with the spinal cord?

ANSWER: Brain

BONUS: This man issued the Edict of Milan. For 10 points each:

[10] What Roman emperor defeated Maxentius at the Battle of Milvian Bridge and called for the First Council of Nicaea?

ANSWER: Constantine the Great OR Constantine I

[10] Before the Battle of Milvian Bridge, Constantine the Great saw what symbol in the sky and was told, "In this sign you will conquer?"

ANSWER: Cross

[10] Constantine moved his capital to a city he called Constantinople. What is the current name of the city once called Constantinople?

ANSWER: Istanbul

4. **This city's St. Charles Road is home to both Tulane University and Loyola University. St. Louis Cathedral faces Jackson Square in this city's French Quarter. The Industrial Canal in this city connects Lake Pontchartrain to the Mississippi River.** In 2005, 80% of this city was flooded after federally-designed levees failed during Hurricane Katrina. For 10 points, identify this largest Louisiana city known for its cultural celebrations, including Mardi Gras.

ANSWER: New Orleans

BONUS: Identify the following strategy board games, for 10 points each.

[10] What game involves building settlements, cities, and roads, and sees players gather resources such as wood, brick, wheat, sheep, and ore?

ANSWER: Settlers of Catan

[10] What series of board games set during World War II sees players control one of the five nations and has pieces such as tanks, destroyers, submarines, and aircraft carriers?

ANSWER: Axis and Allies

[10] What game involves playing plastic trains across the United States on colored spaces to complete destination tickets to earn points?

ANSWER: Ticket to Ride

5. **This artist showed a man drawing back a red curtain to reveal a boy holding an axe and a chopped-down cherry tree in his work, *Parson Weems' Fable*. This artist featured three ugly woman in front of Leutze's *Washington Crossing the Delaware* in his painting, *Daughters of the Revolution*.** Eldin, Iowa is the setting of this man's most famous painting that depicts his dentist, Byron McKeeby, and sister, Nan. For 10 points, identify this regionalist artist of *American Gothic*.

ANSWER: Grant Wood

BONUS: Politicians like to write books. For 10 points each,

[10] *It Takes a Village* and *Hard Choices* were memoirs by what former Democratic presidential candidate who profiled her loss to Donald Trump in *What Happened?*

ANSWER: Hillary Rodham Clinton

[10] What former President released a memoir entitled *Decision Points* in addition to a book of photographs he had taken entitled *Portraits of Courage*?

ANSWER: George W. Bush (prompt on “Bush” alone; accept anything distinguishing him from his father)

[10] What President wrote the book that won the 1957 Pulitzer Prize for Biography entitled *Profiles in Courage*? This man was President during the Cuban Missile Crisis.

ANSWER: John F. Kennedy

6. Two figures in this myth system defeat Seven Macaw in a ball game. The stories of this myth system are collected in the Popol Vuh and this myth system described the journey of Hunahpu and Xbalanque, who are known as the Hero Twins. For 10 points, identify this civilization whose long count calendar predicted the world would end on December 31, 2012.

ANSWER: Mayan

BONUS: Michel Foucault studied these institutions in the work *Discipline and Punish*. For 10 points each:

[10] What institutions punish criminals by incarcerating them as inmates for long periods of time?

ANSWER: prisons

[10] In what psychological experiment was “guards”’ treatment of “prisoners” studied at a namesake California university?

ANSWER: Stanford Prison Experiment

[10] What psychologist conducted the Stanford Prison Experiment? This man wrote *The Lucifer Effect* about the findings of the experiment.

ANSWER: Philip Zimbardo

7. A Quaker in this novel promises a doubloon to the first person to sight the title figure, who had bitten off his leg. At the beginning of this novel, the narrator spends a night with a supposed cannibal named Queequeg before proceeding to Nantucket. Captain Ahab harpoons the title figure of this novel, causing that figure to kill everyone aboard the *Pequod* except for this novel’s narrator Ishmael. A white whale is the title character of what novel by Herman Melville?

ANSWER: Moby Dick

BONUS: Answer the following about the science of sleep. For 10 points each:

[10] During what stage of sleep do dreaming and nightmares often occur?

ANSWER: REM or Random Eye Movement

[10] Individuals who have sleep apnea can often stop breathing for short periods of time while sleeping. Sleep apnea can also lead to what condition that may make it hard for others in the room to sleep?

ANSWER: Snoring

[10] During REM sleep, this kind of dreaming can occur. This kind of dreaming occurs when one is aware that they are dreaming.

ANSWER: Lucid

8. This was the first country to allow women in vote in 1893, and the Musket Wars occurred in this country. Hone Heke and Captain William Hobson signed the 1840 Treaty of Waitangi in this country, and its natives are known as the Maori. Many sheep live in this country that is currently led by Bill English. For 10 points, what country is native to the kiwi bird and has its capital at Wellington?

ANSWER: New Zealand

BONUS: Identify the following operas for 10 points each:

[10] Richard Wagner included *Siegfried* and *The Rhine Gold* in his four-part opera “Cycle” named for what circular piece of jewelry forged by the dwarf, Albrecht?

ANSWER: *The Ring Cycle*

[10] Papagena and Tamino use bells and the title object to defeat the Queen of the Night in an opera named for what “Magical” reedless, woodwind instrument?

ANSWER: *The Magic Flute*

[10] “O Patria Mia” is sung by Radames’ lover, the title Ethiopian princess, in what opera by Giuseppe Verdi?

ANSWER: *Aida*

9. People were encouraged to travel along this route in the song, “Follow the Drinking Gourd,” and people on this route stopped by “stationmaster” homes along the way. “Conductors” on this route helped guide travelers across the Ohio River in hopes of reaching Canada. For 10 points, Harriet Tubman helped slaves travel along what secret passage?

ANSWER: Underground Railroad

BONUS: Identify some reference books, for 10 points each.

[10] Peter Mark Roget created one of these in 1805. What reference book provides synonyms and sometimes antonyms?

ANSWER: Thesaurus

[10] Merriam-Webster publishes a popular one of these. What reference book is a collection of words and their definitions arranged alphabetically?

ANSWER: Dictionary

[10] The Britannica one of these reference books is the oldest English language one still in production. What are these reference books that provide summaries of information on multiple topics in a given field?

ANSWER: Encyclopedia

10. **One man with this last name ascends to Abraham's bosom where a rich man requests him to dip his finger in water in order to cool the rich man's tongue while in hell. After the death of another figure with this name, Jesus wept. Mary and Martha are the sisters of that man with this name who walks out of his tomb despite being dead for four days. For 10 points, identify this name that belongs to a man Jesus resurrected from the dead.**

ANSWER: Lazarus

BONUS: The Battle of Pork Chop Hill was fought during this war. For 10 points each:

[10] Douglas MacArthur ordered a landing at Inchon during what war that was fought on an Asian peninsula from 1950 to 1953?

ANSWER: Korean War

[10] The Korean peninsula was demilitarized along what parallel that currently serves as the dividing line between North and South Korea?

ANSWER: 38th Parallel

[10] While under the Joseon Dynasty, Korea made use of what kind of ships named for an animal due to the ships having a hard protective shell?

ANSWER: Turtle

11. **According to this country's myth system, a giant who emerged from an egg separated the sky from the Earth. Another story in this country's myth system describes an archer who had to shoot down nine suns. The Eight Immortals belong to this country's myth system, which is also the basis of the twelve-animal zodiac. For 10 points, the Jade emperor and dragons appeared in the myth system of what Asian country?**

ANSWER: China

BONUS: Answer the following about kinematics, for 10 points each:

[10] Kinematics is a branch of what field of science concerned with the properties of matter and energy?

ANSWER: Physics

[10] In physics, kinematics takes into account what scalar quantity often measured in miles per hour?

ANSWER: Speed

[10] An object's velocity is different from its speed. Velocity is a vector quantity, meaning that it has magnitude and what other value that can be shown on a compass?

ANSWER: Direction

12. **In this novel, a ship loses its crew and its cargo transforms into Transylvanian dirt. When Lucy Westenra becomes sick due to blood loss, Abraham Van Helsing attempts to use garlic blossoms to protect her from the title character of this novel. Quincey Morris and Jonathan Harker kill the title count of this novel by stabbing him in the heart, which immediately turns him to dust. For 10 points, identify this Bram Stoker novel about the title vampire.**

ANSWER: Dracula

BONUS: For 10 points each, identify these US states from their most populous cities.

[10] Birmingham, Montgomery, and Huntsville are the three largest cities in what state?

ANSWER: Alabama

[10] Fargo, Bismarck, and Minot are the three largest cities in what state?

ANSWER: North Dakota

[10] Milwaukee, Madison and Kenosha are the three largest cities in what state?

ANSWER: Wisconsin

13. During one of these events in 1996, Eric Robert Rudolph planted a bomb that was blamed on security guard Richard Jewell. Hundreds of protesters were killed prior to one of these events in 1968 that saw John Carlos give a black power salute. Eleven Israeli athletes were killed during one of these events in 1972 by the terrorist group Black September. For 10 points, identify these quadrennial events, the most recent of which was held in Rio de Janeiro.

ANSWER: Summer Olympic Games

BONUS: Answer these questions about a Biblical baptism, for 10 points each.

[10] What religious figure baptized Jesus as described in the Gospels of Matthew, Mark and Luke?

ANSWER: John the Baptist

[10] Jesus was baptized in what river that shares its name with a modern Middle Eastern country?

ANSWER: Jordan River

[10] The Jordan River is located near this city, whose walls fell following Joshua's army marched around the city blowing their trumpets?

ANSWER: Jericho

14. These objects are known as tuyas when they form under a glacier, and calderas are formed from the collapse of these objects. These objects can emit a certain substance that comes in pahoehoe and ah-ah forms. Coming in shield and cinder cone varieties are, for 10 points, what objects that form the Ring of Fire and emit lava?

ANSWER: Volcanoes

BONUS: The title girls of this novel are Meg, Beth, Amy and Jo. For 10 points each:

[10] What novel follows the four March sisters from their teen years into adulthood?

ANSWER: Little Women

[10] What author wrote *Little Women* and its sequels, *Little Men* and *Jo's Boys*?

ANSWER: Louisa May Alcott

[10] The March sisters' father is a chaplain for the Union army in what war? Alcott herself was a nurse during this war.

ANSWER: the American Civil War

15. **This composer created a character named Lieschen who becomes addicted to the title substance in his *Coffee Cantata*. This composer of the *St. Matthew Passion*, included a prelude and fugue in every major and minor key in his work, *The Well-Tempered Clavier*. This man is most famous for a set of six concertos dedicated to Christian Ludwig, a German margrave. For ten points, what composer created *The Brandenburg Concertos*?**

ANSWER: J. S. Bach

BONUS: Answer the following about the Reconstruction period of American History. For 10 points each:

[10] The 1876 election of what Republican President saw the end of the Reconstruction period? This man was the 19th president and followed Ulysses S. Grant.

ANSWER: Rutherford B. Hayes

[10] During Reconstruction, what amendment was passed that abolished slavery?

ANSWER: 13th Amendment

[10] Due to the ineffectiveness of the 15th amendment, which allowed for male African Americans to vote, Congress passed the 24th amendment. That amendment banned what kind of tax associated with where people vote?

ANSWER: poll

16. **This element is mixed with iodine for use in cloud seeding and its cations are reduced by aldehydes. This element and molecules of ammonia make up the Tollens Reagent. Mercury is called the “Quick” kind of this element, that also comes in an alloy called “Sterling.” For 10 points, what precious metal has the atomic number 47 and the symbol Ag?**

ANSWER: Silver

BONUS: This religion venerates twenty-four tirthankaras. For 10 points each:

[10] Identify this Indian religion that was founded by Mahavira.

ANSWER: Jainism

[10] One of the five vows of Jainism is ahimsa, which promotes what idea exemplified by pacifism?

ANSWER: Nonviolence (Accept specific answers such as, “No War”)

[10] Jainism is broken up into the Digambara and Svetambara sects, the latter of which wears two pieces of clothing of what color?

ANSWER: White

17. **This emperor ordered the death of Lucius Verus and his wife was named Vibia Sabina. This man’s lover Antinous drowned in the Nile River and this emperor put down the Jewish Bar Kokhba Revolt. This man was succeeded by Antoninus Pius and his predecessor built a namesake “column.” For 10 points, what emperor had a namesake “wall” built across Britain and served as the third Good Emperor?**

ANSWER: Hadrian

BONUS: Given a description of buildings or structures, identify the American city in which they are located. For 10 points each:

[10] The Jefferson National Expansion Museum sits beneath Eero Saarinen's Gateway Arch in what Missouri city?

ANSWER: St. Louis

[10] Frank Gehry's Museum of Pop Culture, formerly known as the Experience Music Project, sits diagonally from the Space Needle in what Washington city?

ANSWER: Seattle

[10] I. M. Pei's John Hancock Tower is located in what New England city that is also home to Faneuil Hall and the Old North Church?

ANSWER: Boston

18. This man fictionalized Death in a poem in which the speaker asks to see his pilot "face to face" before "Crossing the Bar". In another poem by this author, the title group is told not "reason why" even though "someone had blundered". In that poem by this author, the title group rode "half a league onward/All into the valley of death". For 10 points, identify this British poet of "The Charge of the Light Brigade".

ANSWER: Alfred, Lord Tennyson

BONUS: Answer the following about vestigial structures. For 10 points each:

[10] What vestigial organ in the human body is attached to the large intestine? When this organ "bursts", it can be life threatening, so many people have it removed.

ANSWER: Appendix

[10] What bone, also known as the coccyx, may have been connected to a structure found on cats, dogs, and monkeys?

ANSWER: Tailbone

[10] The arrector pili muscle, another vestigial structure, can cause what phenomenon? It often occurs in humans when they are cold.

ANSWER: Goosebumps

19. This man was in the corner of Bobby Lashley when he defeated Vince McMahon at Wrestlemania 23. This man's son in law Jared Kushner was recently criticized for his use of private email to conduct government business. This man is the Executive Producer of NBC's *The Apprentice* and he selected Mike Pence as his Vice President. Identify this man who is the 45th President of the United States.

ANSWER: Donald Trump

BONUS: Answer these questions about the original thirteen colonies, for 10 points each.

[10] James Oglethorpe founded what colony as a haven for debtors. This colony featured the cities of Savannah and Atlanta.

ANSWER: Georgia

[10] George Calvert, who was known as Lord Baltimore, founded what colony as a haven for persecuted Catholics?

ANSWER: Maryland

[10] The city of Jamestown was located in what colony that was known as the “Old Dominion”?

ANSWER: Virginia

20. **These mathematical constructs can be manipulated through Gaussian Elimination, and the identify version of these constructs consist of only ones and zeros. In order to find the inverse of these constructs**, one must find a value equal to “a multiplied by d minus b multiplied by c” that is called the determinant. For 10 points, what mathematical constructs consist of columns and rows of numbers?

ANSWER: Matrices or Matrix

BONUS: Houses are a popular subject in literature. Identify some books about houses, for 10 points each:

[10] In this Laura Ingalls Wilder book inspired by her own childhood, Pa decides to move the Ingalls family via covered wagon to Independence, Kansas.

ANSWER: *Little House on the Prairie*

[10] In this novel by the Hispanic-American author Sandra Cisneros, the teenaged Esperanza lives in a house on the title street. The novel is made up of short vignettes about the chicano neighborhood in which Esperanza lives.

ANSWER: *The House on Mango Street*

[10] In this play by the Norwegian author Henrik Ibsen, Nora Helmer decides to leave her husband Torvald after his patronizing behavior toward her.

ANSWER: *A Doll's House*

TB: This artist included the *Adoration of the Lamb* in a triptych that he collaborated on with his brother, Hubert. This artist of *The Ghent Altarpiece* created a self portrait in which he was wearing a red turban, and in his most famous painting, he included a small dog at the feet of the title Italian couple. For 10 points, identify this Flemish painter of the *Arnolfini Wedding*.

ANSWER: Jan Van Eyck