

SOCIAL STUDIES: **This man was legendarily born holding a blood clot in his hands. This man rescued his wife Borte and this man's first successor led the * Golden Horde. Who is this general, the founder of the Mongol Empire?**

ANSWER: Genghis Khan [also accept Temujin]

BONUS: What grandson of Genghis Khan founded the Yuan Dynasty and met with Marco Polo?

ANSWER: Kublai (Khan)

SOCIAL STUDIES: **The Malmedy Massacre occurred during this battle. A surrender offer during a siege as part of this battle received the reply * "Nuts!" The Siege of Bastogne occurred during what final German offensive of World War II which is named for the shape it created in the Allied lines?**

ANSWER: (Battle of the) Bulge [also accept Ardennes Offensive]

BONUS: The German Offensive at the Battle of the Bulge was severely hampered by the prior death of what German general who led the Ghost Division and participated in the 20 July Plot to kill Hitler?

ANSWER: (Erwin) Rommel

LITERATURE: **Mary Ann Evans wrote under this pen* name. She was an English novelist, poet, journalist, and translator. Name the author who wrote *Middlemarch* and *Silas Marner*.**

ANSWER: George Eliot

BONUS: Name the Eliot work that tells about the relationship between a brother and sister who live in a mill on the river Floss.

ANSWER: *The Mill on the Floss*

FINE ARTS: **This composer's unfinished opera *Zhenitba* is based on a work by Nikolai Gogol. Finished works by this composer include *Night on * Bald Mountain* and *Boris Godunov*. Who is this Russian composer of *Pictures at an Exhibition*?**

ANSWER: (Modest) Mussorgsky

BONUS: Mussorgsky's *Boris Godunov* is based on a work by what Russian author of *Eugene Onegin* and *The Captain's Daughter*?

ANSWER: (Alexander) Pushkin

LITERATURE: **They are often accomplished through a prologue or a flashback.* It generally takes place in the first paragraph or few paragraphs. What is the term for the introduction of the characters, setting, and basic information?**

ANSWER: exposition

BONUS: From which Shakespearean work does the following exposition come: *In fair Verona, where we lay our scene...*

ANSWER: *Romeo and Juliet*

OAAC Froshmore Social Studies 2023-2024
MATH COMPUTATION: What is the probability, as a fraction, of flipping a coin five times and all five are tails?

ANSWER: 1/32 (one over thirty-two)

BONUS COMPUTATION: A married couple have five children, four boys and one girl. What is the probability of a couple having four boys and one girl, in no particular order?

ANSWER: 5/32

MATH: Given a conditional statement "If alpha equals 5, then gamma equals 8"

What is the converse of that statement?

ANSWER: **If gamma equals 8, then alpha equals 5.**

BONUS: Given the conditional statement "If $x = 5$, then $x^2 = 25$ ". Now consider the statement

"If $x^2 \neq 25$, then $x \neq 5$ ". What is the term for this statement in relation to the original statement?

ANSWER: **Contrapositive**

SCIENCE: This type of RNA is linked to an amino acid, which is added to the growing string by a ribosome as this type of RNA is matched up to messenger RNA. What is this type of RNA that was once called "soluble" or s-RNA?

ANSWER: Transfer [accept "t-RNA"]

BONUS: This type of RNA is responsible for catalyzing peptide bonds during protein synthesis. What is RNA found in the protein-making body inside cells?

ANSWER: Ribosomal [accept "r-RNA"]

SCIENCE: Elements on the periodic table are arranged in increasing order of this characteristic.

This characteristic determines the number of electrons in the atom and therefore it's chemical properties. What property of an element determines its chemical identity and atomic number?

ANSWER: Number of Protons

BONUS: What term describes atoms of the same element with the same number of protons but different numbers of neutrons, resulting in different atomic masses?

ANSWER: Isotope

HUMANITIES: **This philosopher developed the theory of transcendental *a priori* cognition. Arthur Schopenhauer praised this philosopher for his idea of the thing-in-itself. Who is * this philosopher who argued for the Categorical Imperative in *Critique of Pure Reason*?**

ANSWER: (Immanuel) Kant

BONUS: Kant's idealism was expanded upon and adapted in what philosopher's *Phenomenology of Spirit*?

ANSWER: (Wilhelm Friedrich) Hegel

CURRENT EVENTS/POP CULTURE: **He filed financial disclosures showing he took three trips on the private jet*** of a real estate billionaire who collects Nazi memorabilia. It's part of a series of reports over his ties to billionaires. Name the Supreme Court justice under fire for not disclosing the trips at first.

ANSWER: **Clarence Thomas**

BONUS: Who is the current Chief Justice of the Supreme Court?

ANSWER: **John Roberts**

CURRENT EVENTS/POP CULTURE: **He's running for the White House in 2024 as a Libertarian*.** He'll run his campaign from behind bars as he's currently serving a 21-year prison sentence. Name the Oklahoma man who formerly ran a tiger safari.

ANSWER: **Joe Exotic or Joe Maldonado**

BONUS: On which popular streaming service did Exotic's show *Tiger King* appear?

ANSWER: **Netflix**