

# 2013 Collaborative Middle School Tournament

## Round 10

### Tossups

1. **This country's Minister of Defense Dawoud Rajiha [dah-WOOD RAJ-ha] was rumored to be assassinated in May 2012 and was then killed in a July 2012 bombing at Rawda Square. Opposition forces in this country are backed by (\*) Turkey, and it has experienced fighting in its cities of Homs and Aleppo. For 10 points, name this country currently led by Bashar al-Assad that has also experienced fighting in its capital of Damascus.**

ANSWER: Syrian Arab Republic [or al-Jumhuriyah al-Arabiyyah as-Suriyah]

2. **This man chaired the 40 Committee that authorized the CIA backed coup of Salvador Allende (Ah-YEN-day) in Chile. He negotiated with Zhou Enlai during Richard Nixon's 1972 visit to China. As National Security Advisor, he applied the term "détente" [day-TAHNT] to relaxation of tensions with the Soviet Union. (\*) For 10 points, name this Nobel Peace Prize winner and *realpolitik* advocate who served as Secretary of State at the end of the Vietnam War.**

ANSWER: (Heinz Alfred) "Henry" Kissinger

3. **This element turns a dark color when combined with starches, which is one reason it is used in Lugol's solution. At room temperature it is a solid that sublimates into a purple gas. This element or barium is used in most contrast solutions for CT scans, and this element is used naturally by the body to make (\*) thyroid hormones. A lack of this element causes goiter, which appears as a swollen neck. For 10 points, name this element represented by the symbol I.**

ANSWER: iodine [prompt on "I" before the end; do not accept iodide]

4. **Among this poet's famous lines are "Tis better to have loved and lost / Than never to have loved at all" and "Theirs not to reason why, / Theirs but to do and die". In addition to "In Memoriam A.H.H.," this Poet Laureate under Queen Victoria also wrote "The Lady of Shalott." (\*) For 10 points, what 19th-century poet wrote "The Charge of the Light Brigade"?**

ANSWER: Alfred, Lord Tennyson

5. **Neoptolemus killed King Priam in the final stages of this event, after which Aeneas fled with his son. This event began after the Judgement of Paris and (\*) Helen's abduction from King Menelaus of Sparta. After nine years, it finally ended after Greek soldiers got past enemy gates while hiding in a giant wooden horse. For 10 points, name this conflict in Greek mythology that featured warriors like Hector and Achilles.**

ANSWER: Trojan War

6. **Schedar is the brightest of its five stars. The Perseid meteor shower originates between Perseus and this constellation, which is visible year-round in the northern hemisphere. Its (\*) W shape represents a seated mythological queen. For 10 points, identify this constellation named for the mother of Andromeda.**

ANSWER: Cassiopeia

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7. Symbols in this painting include a pair of discarded clogs and a chandelier with one lit candle. In the middle of this painting, a feather duster and a beaded chain flank the artist's signature, which is above a circular mirror. A dog sits near this painting's two human figures, one of whom wears a green dress as she holds the hand of her suitor. (\*) For 10 points, name this painting of a married couple by Jan van Eyck [yan van "ike"].

ANSWER: *The Arnolfini Marriage* [accept *The Arnolfini Wedding* or any answer with Arnolfini and the suggestion of marriage; accept *The Arnolfini Portrait* or *The Arnolfini Double Portrait* ]

8. In this novel, one character has a vision of the destruction of Sandleford which ultimately turns out to be true. That character, Fiver, ultimately starts a search for a new home along with Hazel, BigWig, and Silver. After the title warren is found, a rival faction attacks the protagonists, who are a group of (\*) rabbits. For 10 points, name this novel written by Richard Adams.

ANSWER: *Watership Down*

9. In nerve cells, this process is used to maintain the electrical membrane potential, and this process is also used to load sap into plant phloem. Most animal cells achieve this process with a sodium-potassium pump that is powered by ATP, while (\*) phagocytosis of solid particles is another form of it. Used to move substances against the concentration gradient, for 10 points, name this transport process that requires energy.

ANSWER: active transport

10. During the colonial period, this country was known as the territory of the Afars and Issas. Units of the French Foreign Legion were once based in this country, which is adjacent to the Bab el Mandeb, a strait that connects the Red Sea with the Gulf of Aden. (\*) Eritrea, Somalia, and Ethiopia border, for 10 points, what small nation on the Horn of Africa?

ANSWER: Republic of Djibouti [or République de Djibouti or Jumhuriyat Jibuti]

11. The music video for this song begins with a reflection of an airplane and a female tennis player in the sunglasses of the singer, who lolls his head and then says the title line. The video also features a scene where the lead singer lays in an elevator under a pelvic-thrusting man in a cowboy hat, a (\*) "horse riding dance," and a scene where he mimes screaming at a "sexy lady." For 10 points, name this 2012 K-Pop single by Psy.

ANSWER: Gangnam Style

12. Paul Whiteman's band premiered this work at "An Experiment in Modern Music," after which its composer wrote out the solo piano part he'd improvised. This piece features syncopation inspired by a train ride from New York to Boston, and its opening theme is introduced with a (\*) clarinet glissando. United Airlines advertising features, for 10 points, what 1924 work that fused jazz and classical music, composed by George Gershwin?

ANSWER: "Rhapsody in Blue"

13. One author from this country won the Nobel Prize for Literature for his book, *The Captive Mind*, which had been banned by the communist government of his homeland. That writer, Czesław Miłosz (CHES-waf ME-Wosh), also wrote a poem for a memorial to slain shipyard workers in (\*) Gdansk. For 10 points, identify this country, the setting for many books by Isaac Bashevis Singer, including *A Day of Pleasure: Stories of a Boy Growing Up in Warsaw*.

ANSWER: Republic of Poland [or Rzeczpospolita Polska]

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14. One of these conflicts contained the Battle of the Trebia and the Battle of Lake Trasimene. Cato the Elder said during the last one that the enemy city "delenda est," meaning that it must be destroyed. In the second of these wars, (\*) Scipio Africanus defeated Hasdrubal and then finished the war at the Battle of Zama, where he defeated Hannibal. For 10 points, name this series of three conflicts between Rome and Carthage.

ANSWER: Punic Wars

15. This substance forms in the Bergeron process, in which vapor pressure drops as crystals grow. It can be produced by the lake effect, and it always stays below (\*) freezing, unlike sleet, which melts and refreezes as it falls. For 10 points, name this type of precipitation which falls as six-sided flakes.

ANSWER: snowflakes [prompt on "precipitation"]

16. When James Madison revised this, it called for 7-year terms of office for Senators and 3-years terms for House members. Proposed by Edmund Randolph as 15 resolutions, more notable aspects of this plan included three branches of government and representation determined by population for both Houses. (\*) For 10 points, identify this plan of government, named for the home state of Madison and Randolph, as well as Thomas Jefferson.

ANSWER: Virginia Plan

17. This substance, along with milk, is a symbol of fertility in Hinduism. It's not fire, but it has a namesake temple in Zoroastrianism, and Shintoism describes an island that is made from this substance. In Roman Catholicism, this substance is paired with chrism in its most famous use, and Jesus used it to (\*) wash the Apostles' feet. For ten points, name this substance that John the Baptist used for baptism in the Jordan River.

ANSWER: water

18. One character in this novel asks the protagonist if he's happy; that character is Clarisse McClellan. Another character in this book sets herself on fire rather than leave her house. Professor Faber helps lead the main character away from the Mechanical Hound. The protagonist of this novel kills his boss Beatty by setting him on (\*) fire. For 10 points, name this dystopian Ray Bradbury novel in which Guy Montag burns books.

ANSWER: Fahrenheit-451

19. The dot product of two vectors over the product of their lengths gives this function of the angle between them. A law named for this function generalizes the Pythagorean theorem to non-right triangles; it uses two sides of a triangle and the included angle to find the length of the third side. (\*) For 10 points, name this trigonometric ratio commonly calculated as "adjacent over hypotenuse" in right triangles.

ANSWER: cosine [accept cosine of  $x$ , with  $x$  being any letter]

20. During World War II, this country was run by Josef Terboven, though its official Minister President was Vidkun Quisling. It used to be the western part of the Kalmar Union. More recently, in 2011 it suffered from a mass (\*) murder at a youth league camp carried out by Anders Breivik. For many years, its capital was named for King Christian IV ["the fourth"]. For 10 points, name this Scandinavian country whose capital is now called Oslo.

ANSWER: Kingdom of Norway [accept Kongeriket Norge]

Extra. This newspaper was sued by Alabama public safety officer Louis B. Sullivan. Its long-time publisher, Arthur Ochs Sulzberger, died in 2012. It won one of its 108 Pulitzer prizes for printing The Pentagon Papers. One nickname of this newspaper is "the Old (\*) Gray Lady." "All the News That's Fit to Print" is the motto of, for 10 points, what daily newspaper published in the "Big Apple"?

ANSWER: The New York Times [accept NYT; prompt on "Times"]

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### Bonuses

1. Give the following about a French religious group, for 10 points each.

[10] The Edict of Saint-Germain was passed by Queen Catherine de Medici in 1572. It guaranteed private worship by this group of French Protestants.

ANSWER: Huguenots

[10] This document passed by Henry IV in 1589 granted not only toleration but rights to the Huguenots in otherwise Catholic France.

ANSWER: Edict of Nantes [nahnt]

[10] This king revoked the Edict of Nantes in 1685 by passing the Edict of Fontainebleau. He was known as the "Sun King".

ANSWER: Louis XIV ["the 14th"]

2. The speaker of this poem asks if it "Explodes" or "sags like a heavy load." For 10 points each:

[10] Name this poem, which asks if the title concept "dries up like a raisin in the sun" or "fester like a sore-and then run?"

ANSWER: "A Dream Deferred"

[10] This African-American poet of the Harlem Renaissance wrote "The Negro Speaks of Rivers," "The Weary Blues," and "A Dream Deferred."

ANSWER: (James Mercer) Langston Hughes

[10] This playwright took a line from "A Dream Deferred" for the title of her play *A Raisin in the Sun*.

ANSWER: Lorraine Vivian Hansberry

3. According to the fundamental theorem of arithmetic, every natural number larger than one can be written as a product of these. For 10 points each:

[10] What are these numbers, whose only positive factors are one and themselves?

ANSWER: prime numbers or primes

[10] These two numbers are the only primes whose difference is one.

ANSWER: two and three [accept in either order]

[10] Because two is the only even prime number, the smallest possible difference of any other prime numbers is two. What is the name given to a pair of primes that differ by two?

ANSWER: twin primes or twins

4. Its seven movements include "Mercury, the Winged Messenger" and "Jupiter, the Bringer of Jollity."

[10] Name this astrology-inspired suite that does not include a movement for Pluto.

ANSWER: *The Planets* (*Suite*)

[10] This Englishman composed *The Planets*, as well as the *St. Paul's Suite*.

ANSWER: Gustav Holst

[10] This movement of *The Planets* ends with a fade out, performed by a women's chorus in a nearby room whose door is slowly closed.

ANSWER: "Neptune, the Mystic"

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5. This show's main antagonist is the Chinese crime lord Wo Fat. For 10 points each:

[10] Name this 2010 remake of a 1970s police procedural. This show follows Steve McGarrett, the head of law enforcement in the title U.S. island state.

ANSWER: Hawaii Five-0 [accept pronunciations "Hawaii Five-Oh" or "Hawaii Five-Zero"]

[10] McGarrett's go-to guy on Hawaii Five-0 is this Scott Caan character who was played by Jack Lord in the original series. McGarrett asks this character to "book 'em" after capturing a criminal.

ANSWER: Daniel "Danno" Williams [accept any underlined part]

[10] Dr. Max Bergman on Hawaii Five-0 is played by Masi Oka, who is better known for his role as this time-travelling character on NBC's *Heroes*.

ANSWER: Hiro Nakamura [accept either underlined part]

6. It was originally titled "And The World Remained Silent." For 10 points each:

[10] Name this Holocaust memoir that recalled the author's experiences in the Sighet ghettos and the Auschwitz, Buna, and Buchenwald concentration camps. The author's father died weeks before Buchenwald's liberation.

ANSWER: Night

[10] *Night* was written by this Nobel Peace Prize winning writer of *The Fifth Son* and *The Trial of God*.

ANSWER: Eliezer "Elie" Wiesel

[10] Thomas Keneally wrote about this German industrialist's employment of Jews to save them from death camps in a novel titled after that man's "ark." Steven Spielberg later adapted his story into a film about his "list."

ANSWER: Oskar Schindler

7. This Democrat faced a stiff challenge from Sharron Angle in his last Senate race. For 10 points each:

[10] Name that Democrat, the current Senate Majority Leader.

ANSWER: Harry Reid

[10] Harry Reid is a senator from this state, whose largest city is Las Vegas and whose capital is Carson City.

ANSWER: Nevada

[10] Although Reid is the Senate Majority Leader, he does not preside over the Senate. That power goes to the holder of this position, which is third in the line of presidential succession after the Speaker of the House.

ANSWER: president pro tempore of the Senate

8. These are caused largely by the gravitational pulls of the sun and moon. For 10 points each:

[10] Name this rise and fall of sea levels that takes place once or twice a day, depending on location.

ANSWER: tides [accept word forms]

[10] These powerful waves are sometimes mistakenly called tidal waves but are instead caused by earthquakes, volcanos, or explosions.

ANSWER: tsunamis [prompt on harbor waves]

[10] Tides go in two-week cycles, alternating between small neap tides and these larger tides.

ANSWER: spring tides [accept springs]

9. One story from the Old Testament tells of the prophet Elijah hiding from Ahab. For 10 points each:

[10] Elijah encounters a widow in Zerephath and asks her to bring him a cup of water to drink, and this item to eat, such that he may not starve.

ANSWER: bread [accept cake]

[10] When the widow expresses concern that she will use the last of her ingredients to make this bread, Elijah promises her the Lord will neither let her jar of oil run dry nor her bin of this ingredient essential for making bread.

ANSWER: flour

[10] The story of Elijah and the widow of Zerephath is part of this Old Testament book, found between the Books of Samuel and Chronicles.

ANSWER: 1 Kings [or 1st Book of Kings; accept 3 Kings, 3 Kingdoms, and Melakhim]

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10. This country was created after the United Nations passed a plan to partition Palestine at the end of 1947. For 10 points each:

[10] Name this Jewish state that within 24 hours of its creation was invaded by Egypt, Iraq, Jordan, and Syria.

ANSWER: State of **Israel** [or Medinat **Yisra'el**]

[10] This movement whose name is taken from the Biblical name for Jerusalem argued for the creation of a Jewish state. It was revived in the late 19th century by Theodor Herzl.

ANSWER: **Zionism** [or **Zionist**]

[10] Israel controlled this peninsula between its victory in the Six Day War in 1967 and its return to Egypt following the Camp David Accords.

ANSWER: **Sinai** Peninsula

11. After being attacked by a Fury, Grover and Chiron take this character to Camp Halfblood. For 10 points each:

[10] Identify this character, a demigod who titles a series of books, along with "The Olympians."

ANSWER: **Percy Jackson** [accept either underlined part]

[10] Percy fights but eventually befriends this demi-god from the Ares cabin at Camp Halfblood.

ANSWER: **Clarisse**

[10] This author of the *Percy Jackson & The Olympians* series also completed a series of books based on Egyptian mythology, *The Kane Chronicles*.

ANSWER: Rick **Riordan**

12. Pencil and paper ready. Consider the quadratic expression  $x^2-3x-40$ , for 10 points each:

[10] Factor  $x^2-3x-40$ .

ANSWER: **(x-8)(x+5)** [accept **(x+5)(x-8)** or equivalents; do not accept  $(x+8)(x-5)$  or  $(x-5)(x+8)$ ]

[10] Give both solutions to the equation  $x^2-3x-40=0$ .

ANSWER: **-5** & **8** [both answers required; accept in either order; accept "**-5** or **8**"; do not prompt on partial answers]

[10] Find the y-intercept of the graph generated by the equation  $y=x^2-3x-40$ .

ANSWER: **-40** [accept **(0,-40)**]

13. In February 2012, a shooting in a gated community in Sanford, Florida made national headlines. For ten points each:

[10] Identify the African-American teenager who was shot and killed by George Zimmerman, the local neighborhood watch coordinator, after a brief physical confrontation.

ANSWER: Trayvon **Martin**

[10] Zimmerman's lawyer initially wanted the murder charge dismissed under provisions of this controversial Florida defense law, but they announced in early March 2013 that they would skip the relevant hearing.

ANSWER: **Stand Your Ground** [accept "**Line in the Sand**" and "**No** Duty to **Retreat**"]

[10] Fox News reporter Geraldo Rivera called this article of clothing "thug wear" and blamed Martin's death on it. Several NBA players tweeted photos of themselves wearing this article of clothing to show support for Martin.

ANSWER: **Hoodie** [accept "**Hooded** Sweat**shirt**"]

14. Name these landlocked European countries, for 10 points each.

[10] This central European country is home to the largest thermal water cave system in the world and has its capital at Budapest.

ANSWER: **Hungary** [accept **Magyarország**]

[10] The country has a long history of military neutrality and has not been involved in a war since 1847. It is one of the richest countries in the world and its city Zurich is ranked second in the world for quality of life.

ANSWER: **Switzerland** [or **Swiss** Confederation]

[10] This central European country is made up of the historical territories of Bohemia and Moravia.

ANSWER: **Czech Republic** [do not accept "Czechoslovakia"]

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15. In this novel, Amir adopts his half-nephew Sohrab. For 10 points each:

[10] Name this novel that tells of Amir's relationship with Hassan in the midst of civil strife while being haunted by the brutal Assef. Its title refers to the role Hassan plays in a sport.

ANSWER: *The Kite Runner*

[10] This author of *The Kite Runner* also wrote about Mariam and Laila in *A Thousand Splendid Suns*.

ANSWER: Khaled Hosseini

[10] The first part of *The Kite Runner* is set in Kabul, a city in this nation, which Hosseini himself is from. The effects of the Taliban takeover of this nation are depicted in *The Kite Runner*.

ANSWER: Islamic Republic of Afghanistan [accept Jomhūrī-ye Eslāmī-ye Afġānestān or Da Afġānistān Islāmī Jomhoriyat]

16. The United States suffered serious terrorist attacks on September 11, 2001. For 10 points each:

[10] Most of the deaths were caused by planes hitting the two large towers of this New York City complex and the subsequent collapse of those towers.

ANSWER: World Trade Center [or WTC]

[10] Passengers on United Airlines Flight 93 tried to regain control of the plane, causing it to crash in Shanksville in this state.

ANSWER: Pennsylvania

[10] Most of the hijackers were from this country, and one of their stated goals was for the United States to remove troops from this country.

ANSWER: Kingdom of Saudi Arabia [or al-Mamlakah al-Arabiyah as-Suudiyah]

17. Some examples of this type of cell can live in more extreme environments than eukaryotes [yoo-KAIR-ee-ohts], such as salt lakes or hydrothermal vents. For 10 points each:

[10] Bacteria and archaeans [ar-KAY-unz] are this type of cell that does not have a nucleus or other membrane-bound organelles.

ANSWER: prokaryotes [or prokaryotic cells or prokaryotic organisms]

[10] Prokaryotes can be classified by this test that colors bacteria pink or purple based on chemicals in the cell wall.

ANSWER: Gram staining

[10] Gram-positive bacteria are particularly susceptible to this first antibiotic, discovered accidentally in mold by Alexander Fleming.

ANSWER: penicillin [accept Penicillium]

18. Name these Roman deities, for 10 points each:

[10] This Roman god of the sea was the brother of Jupiter and was identified with the Greek god Poseidon.

ANSWER: Neptune

[10] This Roman goddess of the hearth was served by eighteen sworn virgins, one of whom was Rhea Silvia.

ANSWER: Vesta [accept Vestal Virgins; do not accept "Hestia"]

[10] This other Roman virgin goddess was often depicted with an owl and presided over poetry, wisdom, and weaving.

ANSWER: Minerva [do not accept "Athena"]

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19. Columns in this classical order do not have bases. For 10 points each:

[10] Name this Greek order of columns that consisted of a shaft and topped with a plain capital. It is contrasted with the Ionic and Corinthian orders.

ANSWER: **Doric** order

[10] Probably the most famous example of the Doric order is this temple on the Acropolis in Athens. It once housed a large sculpture of Athena created by Phidias.

ANSWER: **Parthenon**

[10] Phidias also sculpted a massive Statue of Zeus at this site in Greece; that statue at this site was one of the seven wonders of the ancient world.

ANSWER: **Olympia**

20. The first test flights in this space program were made by the *Enterprise*, while the first flight with astronauts was made in 1982 by the *Columbia*.

[10] Name this program featuring reusable spacecrafts, which ended in 2011.

ANSWER: space **shuttle** program

[10] In January 1986, this space shuttle exploded with teacher Christa McAuliffe and six other astronauts on board.

ANSWER: **Challenger**

[10] Several space shuttle missions helped this artificial satellite launched in 1998 that is still orbiting Earth with a crew. This has United States and Russia orbital segments.

ANSWER: **International Space Station** [accept **ISS**]

Extra. Answer the following about objects which depicted human, falcon, baboon, and jackal heads, for 10 points each.

[10] These sets of pottery containers served as receptacles for the organs of mummies.

ANSWER: **canopic jars** [prompt on stomach/intestines/lungs/liver **jars**]

[10] The figures depicted on the canopic jars were all sons of this Egyptian god, depicted wearing the unified crown. Living Pharaohs claimed descent from him during the Old Kingdom.

ANSWER: **Horus**

[10] This New Kingdom text describes Egyptian funerary rites and contained many spells on papyrus. It contains spells from the Coffin Texts.

ANSWER: The **Book of the Dead** [or **Book of Coming Forth by Day** or **Book of Emerging Forth into the Light**]