

2012 Collaborative Middle School Tournament

Round 1

Tossups

1. This poet wrote about a maiden who was killed by jealous angels and who lived "in a kingdom by the sea." He wrote about a creature that sits "On the pallid bust of Pallas just above my chamber door." That poem of his begins, "Once upon a midnight dreary, while I pondered, weak and weary." For 10 points, name this poet of "Annabel Lee" who wrote about the title creature repeating the word "nevermore" in "The Raven."

ANSWER: Edgar Allen Poe

2. After being ransomed from pirates, this man captured his kidnappers and crucified them. At the Battle of Alesia (ah-LEE-see-ah), this man defeated Vercingetorix (ver-sin-GEH-tor-icks) and conquered Gaul. After Pompey ordered him to disband his army, he crossed the Rubicon. For 10 points, name this Roman general who was appointed dictator and later assassinated on the Ides of March by Brutus.

ANSWER: Gaius Julius Caesar

3. This is the only element for which Schrodinger's equation can be solved exactly. Isotopes of this element include tritium and deuterium. Its diatomic form is released when sodium reacts with water. It is the only nonmetal in Period 1 of the periodic table. For 10 points, name this lightest element, which has a chemical symbol of H.

ANSWER: hydrogen [accept H before it is read]

4. Composers from this nation include the minimalist creator of *Imaginary Landscape No. 4* and *Four Minutes Thirty-Three Seconds*. *Adagio for Strings* is an orchestral work from this country. This home of composers John Cage and Samuel Barber is the setting for the ballets *Rodeo* (roh-DAY-oh) and *Billy the Kid* by Aaron Copland. For 10 points, name this country whose Marine band was led by John Philip Sousa.

ANSWER: United States of America [or U.S.A.; or America; or other answers that obviously refer to the country in which this tournament is taking place]

5. A system's Lagrangian (lah-GRAN-jee-uhn) equals this quantity minus potential energy. This quantity can be found by dividing the square of an object's momentum by twice its mass. The change in this quantity for an object is equal to the net work done on the object. It equals one-half times mass times velocity squared. For 10 points, name this type of energy that objects possess because of motion.

ANSWER: kinetic energy [prompt on energy; accept kinetic after "energy" but prompt before]

6. This modern state's panhandle was crossed by the Cimarron Cutoff, a branch of the Santa Fe Trail. A city in this state is called "Broken Arrow" because it was settled by Creek people, while part of this state was known as the "Indian Territory." White settlers who anticipated an 1889 decision to open its lands to homesteaders gave this state its nickname: the Sooner State. For 10 points, Tulsa is located in what state between Texas and Kansas?

ANSWER: Oklahoma

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7. In 1969, this man seized power in a bloodless coup by overthrowing King Idris (EE-dreese). This author of *The Green Book* handed over the Lockerbie bombers after being visited by Nelson Mandela. After protests against this man's rule began, a rebel government was established in the city of Benghazi (ben-GAH-zee). In the town of Sirte (SEERT), this man was killed alongside his son Mutassim in 2011. For 10 points, name this former leader of Libya.

ANSWER: Muammar al-Gaddafi [or Muammar al-Qaddafi; or various other transliterations (accept anything pronounced close to "gah-DAH-fee" or "kah-DAH-fee")]

8. One of this work's title characters crashes a party in an attempt to win the love of Rosaline. At that party he meets the other title character, who is the cousin of Tybalt. At the end of this play, Prince Escalus pronounces peace in Verona between the two central families. For 10 points, name this play about the feud between the Montagues and Capulets, written by William Shakespeare.

ANSWER: Romeo and Juliet

9. This "Foremost of the Westerners" is linked with Serapis through the Apis bull. This son of Geb and Nut (NOOT) was cut into fourteen pieces that were scattered throughout the country by his brother. His wife revived him after she and Nephthys (NEF-this) found thirteen of those pieces. After he was revived, this brother of Set fathered Horus. For 10 points, identify this husband of Isis and the Egyptian god of the dead.

ANSWER: Osiris [accept Anubis before "Serapis" is read; prompt on Khenti-Amentiu]

10. This man's popularity plummeted following the disastrous rescue attempt of Operation Eagle Claw. He claimed that the United States faced a "crisis of confidence" in his "malaise" speech. Although he failed to solve the Iran Hostage Crisis, he helped negotiate peace between Egypt and Israel in the Camp David Accords. For 10 points, name this Georgia-born president succeeded by Ronald Reagan.

ANSWER: James Earl "Jimmy" Carter, Jr.

11. Anglican and Islamic versions of this action each include 100 steps. This action involves meditation on a chaplet, which is a set of luminous, glorious, joyful, or sorrowful mysteries. It ends with the Salve Regina (sal-VAY reh-JEEN-uh) prayer, which follows a multiple of five decades as depicted by the namesake instrument. For 10 points, name this practice in which Our Fathers and Hail Marys are prayed and counted along a string of beads.

ANSWER: praying a rosary [or saying a rosary; or obvious equivalents mentioning the rosary]

12. This project's "Original Seven" included Gordon Cooper and Deke Slayton. The number 7 featured in the names of every vehicle used, including Friendship 7, flown by John Glenn, and Freedom 7, flown by Alan Shepard, the first American in space. It was succeeded by the Gemini project and the Apollo program. For 10 points, give NASA's first manned space flight project, named for the Roman messenger god.

ANSWER: Project Mercury [or Mercury Seven until "vehicle" is read; or Astronaut Group 1 until "vehicle" is read]

13. In a video on Funny or Die, the family of Greg Pinkleton, who believes he is the title character of this series, stages an intervention. Youtube user Paint sang a summary of this series in 99 seconds using movie themes, while another Youtube user, Neil Cicierega, created a parody of this series in which puppets sing along to a "Mysterious Ticking Noise". For 10 points, name this book series in which Ron and Hermione accompany the title boy wizard.

ANSWER: Harry Potter

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14. These entities can be found by using the Sieve of Eratosthenes (AIR-uh-TOSS-the-neeZ). According to Goldbach's conjecture, every integer greater than two can be expressed as a sum of two of them. Every positive integer can be expressed as a factorization of these numbers. For 10 points, identify these natural numbers whose only divisors are themselves and one.

ANSWER: prime numbers [or primes]

15. In one episode in this work, the narrator tries to convince adults that he is drawing a snake digesting an elephant, which they confuse with a hat. The title character of this novella lived on an asteroid the size of a house before catching a rose in a lie and becoming lonely. Its title character visits seven planets, the last of which is Earth. For 10 points, name this novel by Antoine de Saint-Exupéry (sahnt ex-oo-pair-EE).

ANSWER: *The Little Prince* [or *Le Petit Prince*]

16. The antibiotic erythromycin works by disrupting this organelle, which contains E, P, and A sites on its large subunit. The parts of this organelle are assembled at nucleoli (noo-kee-OH-lye), and when bound to a membrane, these create the rough ER. Codons are translated at this organelle where the tRNA and mRNA meet. For 10 points, name this organelle that is the site of protein synthesis.

ANSWER: ribosomes

17. In April 2011 this country announced it was “for rent,” eight years after its Head of State, Hans Adam II, joked about selling it to Bill Gates and renaming it Microsoft. This nation and Uzbekistan are the only double-landlocked countries in the world, and it is the wealthiest per capita German-speaking country. For 10 points, name this principality between Switzerland and Austria with capital Vaduz (vah-DOOZ).

ANSWER: Principality of Liechtenstein [or Fuerstentum Liechtenstein]

18. This man came to power through the coup of 18 Brumaire (broo-MAIR). His forces defeated the Prussians at Jena (YAY-nah) and the combined Russian and Austrian forces at Austerlitz. His invasion of Russia was a failure because of the harsh winter. He spent the last years of his life exiled on St. Helena, and he sold the Louisiana Territory to America. For 10 points, name this French emperor from Corsica who ruled after the French revolution.

ANSWER: Napoleon Bonaparte [or Napoleon I]

19. This character feels nauseous at the sight of blue oatmeal and befriends Yard Ape. She ends a book report with the line, "I can't believe I ate the whole thing." In one appearance, she makes a gravestone for the cat Picky-Picky and recovers Aunt Bea's wedding ring. For 10 points, name this pest of Klickitat Street and friend of Howie Kemp, the younger sister of Beezus Quimby in a series of books by Beverly Cleary.

ANSWER: Ramona Quimby [or Ramona Quimby; prompt on Quimby]

20. Ancient practitioners of this art form include Polykleitos (PAHL-ee-KLY-tohss), whose *Doryphoros* (dorr-ee-FOR-ohss) is one of the oldest Greek works that still exists. Other practitioners of this art form include Phidias and Myron. Modern works of this type include Frederic Remington's *Bronco Buster*. For 10 points, name this type of art exemplified by Michelangelo's *Pieta* and *The Thinker* by Auguste Rodin.

ANSWER: sculpture [or word forms, such as sculpting]

Extra. This city is where Ralph Ellison's *Invisible Man* works at the Liberty Paint Company. George Selden wrote about a cricket in one of this city's major public spaces. *The Great Gatsby* takes place in this city where Percy Jackson visits the Metropolitan Museum of Art. This city is where Stuart Little races boats in Central Park. For 10 points, name this city in which the Harlem Renaissance took place.

ANSWER: New York City

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Bonuses

1. For 10 points each, name these composers who wrote more than nine symphonies.

[10] This Austrian child prodigy's later symphonies include "Linz" and "Prague," and his forty-first and final symphony was nicknamed "Jupiter." He left a requiem mass unfinished at his death.

ANSWER: Wolfgang Amadeus Mozart

[10] Twelve of this composer's 106 symphonies were composed in London. The Andante (ahn-DAHNTay) movement of his "Surprise" symphony is based on the theme of "Twinkle, Twinkle, Little Star."

ANSWER: Franz Josef Haydn

[10] This Russian composer's Thirteenth Symphony is subtitled "Babi-Yar," and his Seventh Symphony was dedicated to the city of Leningrad.

ANSWER: Dmitri Shostakovich

2. This event was ended by a legion of foreign troops from eight countries. For 10 points each:

[10] Name this 1900 rebellion supported by the Dowager Empress Ci Xi (SEE SHE) and carried out by the Fists of Righteous Harmony, who practiced the namesake fighting style.

ANSWER: Boxer Rebellion [accept answers containing Boxer and any synonym for "rebellion"]

[10] The Boxer Rebellion took place in Beijing in this present-day Asian country, whose Communist rulers have included Mao Zedong and Deng Xiaoping (DANG shao-PING).

ANSWER: People's Republic of China [or Zhongguo Renmin Gongheguo; or Zhongguo; do not accept "Republic of China"]

[10] The Boxer Rebellion took place during this last Chinese dynasty, which was overthrown in a 1912 revolution.

ANSWER: Qing (CHING) Dynasty [or Manchu Dynasty]

3. This religion's Sabbath falls on Saturday. For 10 points each:

[10] Name this religion whose holidays include Passover, Purim, and a Festival of Lights known as Hanukkah.

ANSWER: Judaism [accept word forms such as Jewish]

[10] Another holiday of Judaism is this New Year celebration, which features apples and honey. This holiday and Yom Kippur are known as the High Holy Days.

ANSWER: Rosh Hashanah

[10] This sect of Orthodox Judaism are ultra-observant Jews who wear long sideburns and distinctive long, dark clothing. This is Danny's religion in *The Chosen*.

ANSWER: Hasidism [accept Hasidic Jews]

4. It can be used to find the hypotenuse of a certain kind of triangle. For 10 points each:

[10] Name this mathematical theorem that states, " $a^2 + b^2 = c^2$ " (a-squared plus b-squared equals c-squared).

ANSWER: Pythagorean theorem [or Pythagoras' theorem]

[10] The Pythagorean theorem can only be applied to triangles that contain this type of angle which measures 90 degrees.

ANSWER: right angle

[10] This property of triangles states that the sum of any two sides of a triangle must be greater than or equal to the length of the third side.

ANSWER: triangle inequality

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5. While in prison he wrote *Mein Kampf* (MINE KOMF). For 10 points each:

[10] Name this Nazi leader who became German chancellor in 1933 and led Germany during the Second World War.

ANSWER: Adolf **Hitler**

[10] Hitler's Nazi Germany carried out this genocide during which over ten million civilians were killed. Among those targeted were Jews, Gypsies, and homosexuals.

ANSWER: the **Holocaust** [or the **Shoah**]

[10] The entrance to this notorious extermination camp was inscribed with a German phrase that translates as "work makes you free." This camp in Poland killed at least 1.5 million people.

ANSWER: **Auschwitz**-Birkenau concentration camp [or **Auschwitz**-Birkenau extermination camp]

6. The space probes Ulysses and New Horizons each had a flyby of this planet. For 10 points each:

[10] Name this largest planet in our solar system.

ANSWER: **Jupiter**

[10] This storm on Jupiter is the largest in the solar system, about twice the size of Earth.

ANSWER: **Great Red Spot**

[10] This other storm on Jupiter, sometimes called the Little Red Spot or Red Junior, is the second largest in the solar system.

ANSWER: **Oval BA** [prompt on **Little Red Spot**; prompt on **Red Junior**]

7. For 10 points each, answer the following about music that was popular in 2011.

[10] This artist had hit songs with "Edge of Glory" and "Born This Way," the latter of which sold a million copies in just five days on iTunes.

ANSWER: **Lady Gaga** [or Stefani Joanne Angelina **Germanotta**]

[10] British singer Jessie J had a hit with this song, which proclaimed, "We don't need your money, money, money. We just wanna make the world dance."

ANSWER: **"Price Tag"**

[10] This artist topped the country music charts with songs titled, "God Gave Me You" and "Honey Bee," and is also one of the four coaches on NBC's "The Voice."

ANSWER: Blake **Shelton** [prompt if only first name is given]

8. The first of these elections was held on January 10 in New Hampshire. For 10 points each:

[10] Identify these elections and the party that sponsors them. These elections, like caucuses, are used to select delegates to the party's national nominating convention, which in 2012 is in Tampa.

ANSWER: 2012 **Republican** presidential **primary** elections [or equivalents that mention **Republican** and **primary**]

[10] This former governor of Massachusetts has been the front-runner for most of the campaign.

ANSWER: (Willard) Mitt **Romney**

[10] This former Speaker of the House finished fourth in the Iowa caucus, but rebounded to win the South Carolina primary.

ANSWER: Newton Leroy **Gingrich** [or Newton Leroy **McPherson**; prompt on **Newt**]

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9. Apocryphally, when Abraham Lincoln met this woman in 1862, he said, “So you’re the little woman who wrote the book that started this great war.” For 10 points each:

[10] Name this author of a novel about a slave whose masters include Augustine St. Clare and the cruel Simon Legree.

ANSWER: Harriet Beecher **Stowe**

[10] Name that novel, subtitled *Life Among the Lowly*, whose other characters include Topsy and Eliza.

ANSWER: **Uncle Tom’s Cabin**; or, *Life Among the Lowly*

[10] *Uncle Tom’s Cabin* begins on the Shelby farm in this state. Eliza crosses the Ohio River from this border state into Ohio.

ANSWER: **Kentucky**

10. A “packing” plan proposed by Franklin Roosevelt would have expanded this body to include as many as 15 justices. For 10 points each:

[10] Identify this highest body in the U.S. judicial branch.

ANSWER: **Supreme Court** of the United States [or **SCOTUS**]

[10] In 2005, George W. Bush nominated this current Chief Justice to replace William Rehnquist.

ANSWER: Justice John G(lover) **Roberts**, Jr.

[10] This first Hispanic Justice replaced David Souter in 2009.

ANSWER: Justice Sonia Maria **Sotomayor**

11. This is a computation bonus. For 10 points each, answer the following questions that can be solved using systems of equations.

[10] How many nickels do you have if you have a total of thirty nickels and pennies worth a total of forty-six cents?

ANSWER: **4** nickels

[10] A basketball team gets all of its points from two point field goals and one point free throws. How many field goals did it get if it scored fifty times to get eighty points?

ANSWER: **30** field goals

[10] Find the value of x if $x+y$ equals forty and $x-y$ equals ten.

ANSWER: $x = \mathbf{\underline{25}}$

12. In one short story by this man, a wife beats her husband to death with a leg of lamb, which she then serves to the policemen that question her. For 10 points each:

[10] Name this three-time Edgar winner, better known for children’s books like *Matilda* and *Danny the Champion of the World*.

ANSWER: Roald **Dahl**

[10] In this Dahl book, a child and a variety of animals live in the title large piece of fruit, which floats him across the Atlantic Ocean to New York City.

ANSWER: **James and the Giant Peach**

[10] Dahl also wrote two novels about this child, who lucks into a golden ticket to visit Willy Wonka’s chocolate factory and later takes a trip into space on his glass elevator.

ANSWER: **Charlie** Bucket [or Charlie **Bucket**]

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13. For 10 points each, name these Russian mountain ranges.

[10] This mountain range lies just to the west of the city of Yekaterinburg (yeh-KAT-er-in-burg), and is often considered the dividing line between Europe and Asia.

ANSWER: Ural Mountains [or Urals; or Ural Range]

[10] This mountain range straddles the border between Russia and Georgia and contains Mount Elbrus, Europe's highest point.

ANSWER: Caucasus Mountains [or Caucasus Range]

[10] This mountain range is the source of the Lena River. It is named after a lake to its southeast, which is the world's oldest and deepest freshwater lake.

ANSWER: Baikal Mountains [or Baikal Range; accept Lake Baikal]

14. His story is believed to be based on the real-life experiences of Alexander Selkirk. For 10 points each:

[10] Name the title character of a 1719 novel who lives for twenty-eight years on an uninhabited island.

ANSWER: Robinson Crusoe [or Robinson Crusoe]

[10] Robinson Crusoe was written by this author who also wrote *Moll Flanders*.

ANSWER: Daniel Defoe [or Daniel Foe]

[10] Crusoe converts this companion to Christianity and names him after the day Crusoe found him.

ANSWER: Friday

15. Hover flies that resemble bees are using this kind of defense to avoid predators. For 10 points each:

[10] Name this defensive strategy in which a harmless species looks like a dangerous one. It is also used by caterpillars that resemble snakes.

ANSWER: Batesian mimicry

[10] The Viceroy butterfly mimics this other black and orange butterfly that is poisonous to eat.

ANSWER: monarch butterfly [or Danaus plexippus; or the wanderer butterfly]

[10] The harmless king snake mimics this deadly snake with black, yellow, and red bands.

ANSWER: coral snake

16. This battle ended with a daring nighttime retreat from Brooklyn Heights across the East River to Manhattan. For 10 points each:

[10] Name this 1776 battle which paved the way for William Howe to capture New York City.

ANSWER: Battle of Long Island

[10] Horatio Gates defeated John Burgoyne at this 1777 battle in New York. The victory prevented the British from separating New England from the other colonies.

ANSWER: Battle of Saratoga [prompt on Battle of Freeman's Farm; prompt on Battle of Bemis Heights]

[10] The Battles of Long Island and Saratoga occurred during this war, which was ended when the French and American forces surrounded Cornwallis at Yorktown.

ANSWER: American Revolutionary War [or American Revolution; or American War of Independence]

17. For 10 points each, answer the following about events leading up to the Trojan War.

[10] The war started after Paris won the love of this woman, the most beautiful woman in the world.

ANSWER: Helen of Troy [accept Helen of Sparta]

[10] Paris won the love of Helen after one of these fruits was thrown into the crowd during the wedding of Thetis and Peleus. One of Heracles' labors was to retrieve these from the garden of the Hesperides.

ANSWER: apples [or golden apples]

[10] The apple was thrown by this goddess of discord and strife.

ANSWER: Eris [or Enyo; or Discordia]

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18. It occurs when a forward reaction occurs at the same rate as a reverse reaction. For 10 points each:

[10] Give this term that refers to a state of balance in a stable system.

ANSWER: chemical or dynamic **equilibrium**

[10] The addition of this type of substance, which changes reaction rates, can cause a system to reach equilibrium faster, but does not change the final state of equilibrium.

ANSWER: **catalyst**

[10] This Frenchman is the namesake of a principle stating that changes in conditions can cause a shift in the equilibrium.

ANSWER: Henry Louis **Le Chatelier** [accept **Le Chatelier's Principle**]

19. For 10 points each, name these Baroque painters.

[10] This man painted the young Infanta Margarita in a room of the palace of King Philip IV of Spain in his best-known work, *Las Meninas*.

ANSWER: Diego Rodriguez de Silva y **Velazquez**

[10] This man depicted a group of doctors in *The Anatomy Lesson of Dr. Nicolaes Tulp* and an Amsterdam shooting company in *The Night Watch*.

ANSWER: **Rembrandt** Harmenszoon van Rijn

[10] This court painter to Charles I painted several individuals with a short, pointed beard now named after him.

ANSWER: Anthony **van Dyck**

20. Yasunari Kawabata and Yukio Mishima were authors from this country. For 10 points each:

[10] Name this Asian country that is home to a poetry form mastered by Buson and Basho.

ANSWER: **Japan** [or **Nippon**]

[10] Name that form of poetry. It consists of three lines with five, seven, and then five syllables.

ANSWER: **haiku** [or **hokku**]

[10] In a famous haiku by Basho, one of these amphibians jumps into a pond and splashes water.

ANSWER: a **frog**

Extra. For 10 points each, answer the following about the quote “Damn the torpedoes! Full speed ahead!”

[10] This Union Navy Admiral apocryphally uttered that phrase during the Battle of Mobile Bay.

ANSWER: David Glasgow **Farragut**

[10] That battle occurred off the coast of this state. About a hundred years later in this state, Martin Luther King wrote a letter from a jail in Birmingham.

ANSWER: **Alabama**

[10] Less than a month after Farragut's victory at Mobile Bay, this Southern city fell to William Tecumseh Sherman, who used this Georgia city as the start point for his “March to the Sea.”

ANSWER: **Atlanta**