

2012 Collaborative Middle School Tournament

Round 2

Tossups

1. This nation overthrew Albania's King Zog. A major event in the unification of this nation was the Expedition of the Thousand, and its first king after unification was Victor Emanuel II. In 1935 this nation invaded Ethiopia. One of its leaders was called *Il Duce*, and along with Germany, it was one of Europe's major Axis powers. For 10 points, name this European country that was ruled by fascist dictator Benito Mussolini.

ANSWER: Italy [or Italia]

2. Works of this type include “The Library of Babel” and “The Garden of Forking Paths,” both by Jorge Luis Borges. A Japanese master of these works is Ryunosuke Akutagawa, a French master is Guy de Maupassant, and a Russian master is Anton Chekhov. Novellas are long examples of this type of writing, which typically focuses on a single event. For 10 points, name this concise type of fiction named for its length.

ANSWER: short story [accept short stories by Jorge Luis Borges before it is read; prompt on fiction; prompt on story; prompt on prose; do not accept “novel”]

3. Matthew, Chapter 28 notes that Jesus commanded his followers to “go therefore and make disciples of all nations” by performing this action. Seventh-day Adventists reserve this practice for adults, though in most Christian denominations it is primarily for infants. For 10 points, identify this Christian initiation sacrament in which participants are sprinkled with or immersed in water.

ANSWER: baptism [or word forms such as baptize; prompt on descriptions of baptism]

4. The last “ancient” time period of this nation is named after the burial mounds, or *kofun*, of that time period. The Gempei War ended the Heian period of this country. Francis Xavier, a Jesuit missionary, and Commodore Matthew Perry came to this country during the Tokugawa Shogunate. For 10 points, name this country formerly ruled by Emperor Hirohito where two atomic bombs were dropped.

ANSWER: Japan [or Nippon]

5. These objects explained the Vine-Matthews hypothesis about the reversal of the Earth’s magnetic field. Seafloor spreading occurs at divergent boundaries between these objects. These objects were first proposed in Alfred Wegener’s theory of continental drift. They slide past each other at transform faults. For 10 points, what masses of crust float along the mantle and include the Eurasian, Arabian, and Pacific?

ANSWER: tectonic plates [or plate tectonics]

6. In 2012 this team’s third-string quarterback, Greg McElroy, claimed that its locker room was “not a fun place to be.” Team captain Antonio Holmes was benched during its Week 17 loss to the Dolphins. This team’s fans are known to boo its draft picks, which have included cornerback Darrelle Revis and quarterback Mark Sanchez. For 10 points, name this football team coached by Rex Ryan that shares a stadium with the Giants.

ANSWER: New York Jets [prompt on New York]

7. This particle was discovered by J.J. Thomson, and its exact charge was discovered in the Millikan oil drop experiment. According to the Pauli Exclusion Principle, two of these particles cannot exist in the same quantum state. These particles are shared during covalent bonding and orbit around the nucleus. For 10 points, name this subatomic particle with a negative charge.

ANSWER: electron [prompt on fermion]

The 2012 Collaborative Middle School Tournament was written and edited by Joe Brosch, Kristin I. Burns, Michael Falk, Brad Fischer, Matt Hayes, Kathy Hempel, Jeff Hoppes, Mike Laudermith, Charles Martin Jr., Jacob O’Rourke, Mike Perovanovic, Jeffrey Price, David Reinstein, Donald Taylor, Tristan Willey, Mike Wong, Dwight Wynne, Ben Zhang, and possibly some other people.

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8. In one scene in this novel, a Sheep talks of “crabs” and “feathers” while rowing. This novel begins with the protagonist blaming the black kitten, the offspring of Dinah, for the whole thing. In this novel, the protagonist plays a massively scaled chess game with the Red Queen. For 10 points, name this sequel to *Alice’s Adventures in Wonderland* whose title refers to the other side of a mirror.

ANSWER: **Through the Looking-Glass** [do not accept or prompt on “Alice’s Adventures in Wonderland” or “Alice in Wonderland”]

9. This country's Kruger National Park, part of the lowveld grassland, is named for a 19th-century leader of its Transvaal region, the site of gold and diamond mines. Lesotho is completely surrounded by this country, which was governed by an "apartheid" regime before it elected Nelson Mandela president in 1994. For 10 points, Pretoria and Cape Town are two capitals of what country at the lowest extremity of the African continent?

ANSWER: Republic of **South Africa** [or **RSA**]

10. Lieschen [lee-shen] is addicted to coffee in a cantata by this composer of the *Notebook for Anna Magdalena*. Gounod's [goo-noh's] *Ave Maria* is based on a prelude from this composer's *Well-Tempered Clavier*, and Mendelssohn revived his setting of the St. Matthew Passion. *The Art of Fugue* was composed by, for 10 points, what German Baroque composer of the *Goldberg Variations* and the *Brandenburg Concertos*?

ANSWER: Johann Sebastian **Bach** [accept **Coffee Cantata** before “cantata” is read]

11. Iron-56 dominates the spectra of absorption lines for one class of these phenomena, which are caused by white dwarves exceeding the Chandrasekhar limit. An inert nickel-iron core in a star leads to one on account of a lack of degeneracy pressure. One with official designation 2003fg reached two solar masses before exploding, and was given the nickname “Champagne.” For 10 points, name these gigantic stellar explosions.

ANSWER: **supernovae** [or **supernovas**; prompt on stellar **collapse**; do not accept or prompt on "nova"]

12. A poster advertising this event featured a dancer posing on top of the Arturo DiModica sculpture, *Raging Bull*, and the words “bring tent.” The Internet group “Anonymous” encouraged readers to participate in this event, which targeted Zuccotti Park in New York City and began on September 17th, 2011. For 10 points, identify this protest movement with a slogan of “We are the 99 percent,” and a Twitter hashtag of O.W.S.

ANSWER: **Occupy Wall Street** [prompt on any answer that just includes the word **occupy**; prompt on **O.W.S.**]

13. In one scene, this character causes a cat to run chaotically through the house by giving it "pain-killer." He plays Robin Hood with Joe Harper. He gets trapped in McDougal's Cave with Becky Thatcher, where he sees Injun Joe hiding. Earlier, he had persuaded his friends to whitewash a fence for him. For 10 points, name this companion of Huck Finn in several novels by Mark Twain.

ANSWER: **Tom Sawyer** [accept either or both underlined parts]

14. Artists primarily known for work in this movement include Max Ernst and Yves Tanguy. One work of this movement, *The Treachery of Images*, depicts a pipe and the French words for “this is not a pipe.” Another of its works depicts melting watches and is titled *The Persistence of Memory*. For 10 points, name this art movement featuring bizarre juxtapositions, whose artists include Rene Magritte and Salvador Dali.

ANSWER: **surrealism**

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15. This god, sometimes known as Eubuleus (yoo-BOO-lee-us) or Clymenus, punished Sisyphus by requiring him to roll a boulder up a hill. This oldest son of Rhea abducted his future wife while she was picking flowers in the fields of Nysa and then tricked her into staying with him for six months each year by feeding her pomegranate seeds. For 10 points, name this husband of Persephone, the Greek god of the Underworld.

ANSWER: **Hades** [prompt on **Pluto**]

16. A problem of antiquity concerned constructing a square of the same area as one of these shapes using compass and straightedge; that problem is known as “squaring” this shape. When one on a graph has a total area of pi, it is known as a “unit” one. A line segment connecting two points on this shape is known as a chord. For 10 points, name this shape consisting of all points that are a radius away from a center.

ANSWER: **circles**

17. During this battle, a bayonet charge by the 20th Maine, led by Joshua Chamberlain, helped defend one important hill. Besides Little Round Top, other areas of contest included Devil’s Den and the Peach Orchard. The decisive action in this battle was a failed assault on Cemetery Ridge known as Pickett’s Charge. For 10 points, name this Union victory after which Abraham Lincoln gave a namesake “address.”

ANSWER: Battle of **Gettysburg**

18. This man’s essays include one about a policeman in Burma “Shooting an Elephant.” He wrote a novel in which O’Brien sends Winston Smith to Room 101 in the dystopian state of Oceania. In another novel by this man, the death of Old Major results in a power struggle between Snowball and Napoleon, who represent Trotsky and Stalin. For 10 points, name this author of *1984* and *Animal Farm*.

ANSWER: George **Orwell** [or Eric Arthur **Blair**]

19. The Sorbonne is the university of this city, which is divided into twenty arrondissements. This city is the site of a monument built to commemorate victory at the Battle of Austerlitz, the Arc de Triomphe. Notre Dame cathedral is located in this city on the Seine River, where tourists may also visit the Eiffel Tower. For 10 points, name this capital of France.

ANSWER: **Paris**

20. R. A. Fisher suggested this scientist falsified data because of the exactness of his ratios, and his most significant paper was *Experiments in Plant Hybridization*. One result of this man’s work was the law of independent assortment, discovered by examining traits like tall vs. dwarf and round vs. wrinkled. For 10 points, name this biologist and monk whose breeding of pea plants led to the basic principles of heredity.

ANSWER: Gregor Johann **Mendel**

Extra. The French equivalent to costing “an arm and a leg” is the cost of these body parts. In Latin, this word translates as “oculus,” while the Greek translation, “ophthalmos,” gives the terms “ophthalmologist” and “optometrist” for doctors of these body parts. “Les yeux” in French and “los ojos” in Spanish identify, for 10 points, what body parts that you can idiomatically have “four” of if you wear glasses?

ANSWER: **eyes**

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Bonuses

1. The last US troops left this country on December 18, 2011. For 10 points each:

[10] Name this country where coalition forces headed by the United States and United Kingdom overthrew Saddam Hussein.

ANSWER: Republic of **Iraq** [or Jumhuriyat al-**Iraq**]

[10] While Jalal Talabani is the President of Iraq, Nouri al-Maliki is the head of government and serves in this post, which is elected by the Presidency Council and nominally leads the parliament.

ANSWER: **Prime Minister** of Iraq

[10] This Grand Ayatollah is now considered the leading religious figure in Iraq. Through a spokesman, he has criticized the level of disagreement among Iraq's political leaders.

ANSWER: Ali al-**Sistani**

2. The central character of this novel hires the valet Jean Passepartout. For 10 points each:

[10] Name this novel in which Phileas Fogg makes a bet at the Reform Club that he can circumnavigate the globe in a certain amount of time.

ANSWER: **Around the World in Eighty Days** [or *Le tour de monde en quatre-vingts jours*]

[10] *Around the World in Eighty Days* is by this French writer and science fiction pioneer who also wrote *Twenty Thousand Leagues Under the Sea*.

ANSWER: Jules Gabriel **Verne**

[10] In *Twenty Thousand Leagues Under the Sea*, Captain Nemo commands the *Nautilus*, which is one of these vessels that travels under the water.

ANSWER: **sub**marines [or **sous-marins**]

3. Two major branches of this belief system are the School of Elders, or Theravada branch, and Great Vehicle, or Mahayana branch. For 10 points each:

[10] Identify this belief system which follows the Four Noble Truths and the Eightfold Path.

ANSWER: **Buddhism** [or word forms, e.g., **Buddhists**]

[10] Buddhism is based largely on the teachings of this person, nicknamed "Buddha."

ANSWER: **Siddhartha Gautama** [accept either underlined part, though Siddhartha is the first name]

[10] This term refers to the belief of several Asian religions, including Buddhism, in a cycle of life, death, and reincarnation, which ends with nirvana for Buddhists.

ANSWER: **samsara**

4. This Article of the Constitution ends with the Compact Clause, which limits the powers of states. For 10 points each:

[10] What Article of the Constitution describes the format and powers of Congress?

ANSWER: Article **I** [or **First** Article]

[10] According to Article I, a person must be at least how old before he can serve in the Senate?

ANSWER: **30** years old

[10] Article I prohibits Congress from passing this kind of act, which would find a person guilty without a trial.

ANSWER: bill of **attainder** [accept act or writ of **attainder**; do not accept "ex post facto law"]

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5. Diophantine equations have their solutions restricted to these types of numbers. For 10 points each:

[10] Name these numbers that include the whole numbers and their additive inverses.

ANSWER: **integers** [accept **Z**]

[10] This other group of numbers includes all of the numbers that can be written as the ratio of two integers. It includes repeating decimals but does not include many square roots.

ANSWER: **rational** numbers [accept **R**]

[10] Both integers and rationals exhibit this property for addition and multiplication, so a plus b equals b plus a , and a times b equals b times a .

ANSWER: **commutative** property [or **commutation**; or **commutativity**]

6. In 1692 this colony merged with Massachusetts. For 10 points each:

[10] Name this New England colony, settled by a group of Pilgrims who celebrated the first Thanksgiving.

ANSWER: **Plymouth** Colony

[10] The founding document of Plymouth Colony was a "compact" signed aboard this ship that carried the colonists across the Atlantic.

ANSWER: **Mayflower** [accept **Mayflower Compact**]

[10] One non-Pilgrim signer of the Mayflower Compact was this English captain, the military leader of the new colony. Henry Wadsworth Longfellow wrote a poem about his unsuccessful courtship of Priscilla Mullins.

ANSWER: Miles **Standish**

7. For 10 points each, answer the following about the works of the Italian painter Titian (TISH-in).

[10] This painting depicts a woman being abducted by Jupiter in the form of a bull as a group of cupids watch.

ANSWER: *The **Rape of Europa***

[10] This other Titian painting depicts a reclining nude of the Roman goddess of love with a dog on the bed. It inspired Manet's *Olympia* and is partially named for the city whose duke commissioned it.

ANSWER: **Venus of Urbino** [do not prompt on answers that just contain "Venus" or "Urbino" by itself]

[10] Many of Titian's works, including *The Crowning with Thorns* and *The Virgin with the Rabbit*, are located in this Parisian gallery that also contains the *Mona Lisa*.

ANSWER: The **Louvre**

8. This constellation's alpha star is Aldebaran. For 10 points each:

[10] Name this constellation, known as the Bull.

ANSWER: **Taurus**

[10] Taurus contains this supernova remnant, which is Messier object one and which used to be visible to the naked eye during daytime.

ANSWER: **Crab Nebula** [prompt on **nebula**; prompt on **crab** by itself]

[10] Taurus also contains this asterism; an open star cluster called Messier 45. This star cluster is also called the "Seven Sisters."

ANSWER: the **Pleades** (PLEE-ah-deez)

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9. For 10 points each, name these Caribbean islands.

[10] Fidel Castro led a Communist revolution on this island that is home to the U.S. Navy's base at Guantanamo Bay.

ANSWER: **Cuba**

[10] San Juan is the capital of this island, a Spanish-speaking U.S. commonwealth located west of the Virgin Islands.

ANSWER: **Puerto Rico**

[10] Between Cuba and Puerto Rico lies this island, which is divided between Haiti and the Dominican Republic.

ANSWER: **Hispaniola**

10. Among this man's advice is that, "when you have eliminated the impossible, whatever remains, however improbable, must be the truth." For 10 points each:

[10] Name this literary detective created by Arthur Conan Doyle, a master of deduction who first appeared in *A Study in Scarlet*.

ANSWER: **Sherlock Holmes** [accept either or both underlined answers]

[10] That advice was given by Holmes to this friend and assistant of his, who narrates almost all of Doyle's stories.

ANSWER: Dr. John H. **Watson** [accept James **Watson**]

[10] This Holmes novel deals with a family curse started when Hugo had his throat ripped out after trying to imprison a girl.

ANSWER: *The **Hound of the Baskervilles***

11. This cell organelle acts as a selectively permeable barrier. For 10 points each:

[10] Name this organelle, built from phospholipids, that surrounds the cytoplasm.

ANSWER: cell **membrane** [or plasma **membrane**; prompt on "phospholipid bilayer" or "fluid mosaic"]

[10] Oxygen and carbon dioxide can cross the cell membrane by this simple form of passive transport in which molecules move from an area of high concentration to low.

ANSWER: **diffusion**

[10] An amoeba feeds using this type of active transport in which the membrane wraps around large particles and pulls them inside the cell.

ANSWER: **phagocytosis** [prompt on **endocytosis**]

12. For 10 points each, answer these questions about the novel *For Whom the Bell Tolls*.

[10] What American author of *The Sun Also Rises* and *The Old Man and the Sea* wrote it?

ANSWER: Ernest Miller **Hemingway**

[10] The book takes place in what country? Authors from this country include Tirso de Molina, the creator of Don Juan.

ANSWER: **Spain** [or **Espana**]

[10] The book centers around Robert Jordan's task to blow up one of these structures spanning a river.

ANSWER: a **bridge**

13. His *Slavonic March* references the Russian patriotic theme *God Save the Tsar*. For 10 points each:

[10] Name this composer of the *1812 Overture* and the *Symphonie Pathetique*.

ANSWER: Pyotr Ilyich **Tchaikovsky**

[10] This Tchaikovsky ballet, based on an E.T.A. Hoffman work, features the "Arabian," "Spanish," "Chinese," and "Russian" dances and sees Clara assist in killing the Mouse King.

ANSWER: *The **Nutcracker***

[10] Tchaikovsky used the celesta, a small keyboard instrument, to represent the title figure in this other dance from *The Nutcracker*.

ANSWER: Dance of the **Sugar Plum Fairy**

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14. Deities from this culture included the cat goddess Bast and the ibis-headed god Thoth. For 10 points each:

[10] Identify this ancient civilization, whose Second Intermediate Period saw a Hyksos invasion between the Middle and New Kingdoms.

ANSWER: ancient **Egypt**

[10] One leader of the New Kingdom was this boy pharaoh who died around age 18. His treasure-laden tomb was discovered by archaeologist Howard Carter in 1922.

ANSWER: **Tutankhamen** [or **Tutankhaten** or King **Tut**]

[10] Tutankhamen, like other New Kingdom rulers, was buried in this desert valley on the west bank of the Nile.

ANSWER: Valley of the **Kings** [accept **Wadi al Muluk**]

15. For 10 points each, identify these board games.

[10] In this Hasbro game, you could score 66 points for playing "QUIZ" on a Triple Word Score.

ANSWER: **Scrabble**

[10] There are special Disney, Nickelodeon, Simpsons, and Twilight versions of this DVD board game.

ANSWER: **Scene It?**

[10] In this 1995 Game of the Year, players use lumber, brick, grain, wool, and ore to build roads, settlements, and cities.

ANSWER: The **Settlers** of Catan [or Die **Siedler** von Catan]

16. Their name is due to their low level of reactivity. For 10 points each:

[10] These elements in Group 18 are found on the right end of the Periodic Table.

ANSWER: **noble** gases [or **inert** gases]

[10] This heaviest naturally existing noble gas decays into other radioactive elements such as polonium. It is an indoor pollutant linked to many cases of lung cancer.

ANSWER: **radon** [or **Rn**]

[10] This rule of thumb claims that elements with low atomic numbers combine in ways such that their valence electron configurations are similar to those in noble gases.

ANSWER: **octet** rule

17. Like the German *Kaiser*, this title is derived from the word *Caesar*. For 10 points each:

[10] Name this title given to Russian monarchs from 1547 until 1917.

ANSWER: **czar** [or **tsar**; or **csar**; or **tzar**]

[10] This man was the first to take the title czar. His many cruel actions include massacring the inhabitants of the city of Novgorod and, during a period of madness, killing his own son.

ANSWER: **Ivan IV** Vasilyevich Rurikid [or **Ivan the Terrible**; or **Ivan Grozny**; prompt on **Ivan**]

[10] After a mostly czar-less period called The Time of Troubles, Mikhail I of this family became czar. All subsequent Russian czars were from this family.

ANSWER: **Romanovs**

18. This is a computation bonus. Twenty-seven congruent cubes are stacked to form a single large cube. All six faces on the outside of the larger cube are painted. For 10 points each:

[10] How many of the smaller cubes have none of their faces painted?

ANSWER: **1**

[10] How many of the smaller cubes have exactly one of their faces painted?

ANSWER: **6**

[10] How many of the smaller cubes have exactly two of their faces painted?

ANSWER: **12**

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19. For 10 points each, identify these trickster gods.

[10] This deity used some intestines from one of Apollo's cows and a turtle shell to create the first lute. This father of Pan is the Greek messenger god.

ANSWER: **Hermes**

[10] This deity of Native American peoples of the Pacific Northwest once stole the sun and moon from Sky Chief. In some cultures, this god was often chased by Coyote.

ANSWER: **Raven**

[10] West African peoples worship this son of Nyame, who takes the form of a spider.

ANSWER: **Anansi**

20. In this story, a girl named Abilene is sent to a small Kansas mining town in the summer of 1936. For 10 points each:

[10] Name this novel by Clare Vanderpool, in which Abilene investigates the life of a boy named Jinx, and uncovers her own family history in the process.

ANSWER: **Moon Over Manifest**

[10] *Moon Over Manifest* won this 2011 award for excellence in children's literature. Past winners of this award include *Holes*, *The View from Saturday*, and *The Higher Power of Lucky*.

ANSWER: John **Newbery** Medal [or John **Newbery** Award]

[10] One of only five authors to win multiple Newbery Medals, this author won the 1978 and 1981 Newbery Medals for *Bridge to Terabithia* and *Jacob Have I Loved*, respectively.

ANSWER: Katherine **Paterson**

Extra. He signed the Brady Bill and the Family and Medical Leave Act. For 10 points each;

[10] Name this President from 1993 to 2001.

ANSWER: William Jefferson "Bill" **Clinton**

[10] President Clinton's wife Hillary currently holds this position in President Obama's cabinet.

ANSWER: **Secretary of State** [prompt on **State**]

[10] Before becoming President, Bill Clinton was the governor of this state.

ANSWER: **Arkansas**