



2012-13 Middle School Championship
Packet 1

Tossups

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naqt@naqt.com 11521 W 69th Street
http://www.naqt.com Shawnee, KS 66203
1.888.411.NAQT (1.888.411.6278)

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- 1. During this geologic era, Laurasia and Gondwanaland separated. The Cretaceous-Paleogene extinction event ended this era, which started around 250 million years ago and is known as the Age of (*) Reptiles. For 10 points—name this era, a middle time between the Paleozoic and Cenozoic.**

answer: Mesozoic Era <329141>
- 2. This man's death sparked turmoil called the Year of the Four Emperors. This last ruler of the Julio-Claudian Dynasty led a persecution of Christians following an AD 64 (*) conflagration. For 10 points—name this emperor who never actually fiddled while Rome burned.**

answer: Nero (or Nero Claudius Caesar Augustus Germanicus) <336215>
- 3. A 2013 title in this game series has the protagonist get advice from Zurvan the Ancient One and sees General Horace Warfield die. Its characters also include Jim Raynor and (*) Sarah Kerrigan. Heart of the Swarm is a title in—for 10 points—what series featuring Zerg and Protoss races?**

answer: StarCraft (accept individual titles like StarCraft II: Wings of Liberty or StarCraft II: Heart of the Swarm) <337608>
- 4. This man is bought for a thousand gold pieces and sleeps in Glumdalclitch's [GLUM-dul-klitch'ez] doll's cradle. He is chained to a building where he sees trees seven (*) feet tall and residents of six-inch size. Jonathan Swift wrote about—for 10 points—what man's travels to Brobdingnag [BRAHB-ding-nag] and Lilliput?**

answer: (Dr.) Lemuel Gulliver (accept either underlined name; accept Gulliver's Travels) <321785>
- 5. This empire used jaguar and eagle knights to fight the "flowery wars" against Tlaxcala [tlahs-KAH-lah]. Its capital, built on an island in Lake Texcoco [tehsh-KOH-koh], was attacked by the (*) Spanish during the reign of Montezuma. For 10 points—what Native American empire of Mexico was conquered by Hernán Cortés?**

answer: Aztec Empire (or Mexica or Anahuac) <338464>
- 6. Pencil and paper ready. Dan needs to find the mean of 13 consecutive integers, the smallest of which is 47. He can either write out the 13 counting numbers starting with 47 or realize that for an arithmetic [ar-ith-MET-ik] sequence, the mean equals the (*) median. For 10 points—what is the mean?**

answer: 53 [The numbers run from 47 to $47 + 13 - 1 = 59$, so $M = (47 + 59)/2 = 106/2 = 53$.] <336017>

7. **The Bird's Head is one of these found on New Guinea, and Shandong is one in eastern China. Kamchatka [kahm-CHAHT-kuh] is one in Russia's east, and the (*) Crimea is one in Ukraine.** For 10 points—name these land formations, such as Italy or Florida, that are surrounded by water on three sides.

answer: peninsulas (accept Bird's Head Peninsula, Shandong Peninsula, Kamchatka Peninsula, or Crimea(n) Peninsula)

<335527>

8. **This person wrote about Mr. Dussel's attempts to fill Mrs. van Daans's cavities. She gets her first kiss from Peter. Her father Otto was her only family member to (*) survive after their secret annex was discovered.** For 10 points—name this girl who wrote a diary while hiding from Nazis.

answer: (Annelies) Anne (Marie) Frank

<336957>

9. **An interacting pair of these entities dubbed Antennae exhibit 350,000-light-year-long tidal tails. They lie within filaments, sheets, and clusters, and they can contain supermassive (*) black holes.** For 10 points—name these large, gravitationally bound collections of dust, gas, and stars.

answer: galaxy (or galaxies)

<337652>

10. **Security and food at this event were organized by Wavy Gravy. Abbie Hoffman was knocked off the stage here during The Who's performance, and (*) Jimi Hendrix played "The Star-Spangled Banner."** For 10 points—name this 1969 upstate New York music festival attended by many hippies.

answer: Woodstock (Music and Art Fair) (accept Texas International Pop Festival before "Abbie")

<337013>

11. **This man provided the voice of Sergeant Roebuck in the video game Call of Duty: World at War. He plays former journalist Martin Bohm, who struggles to communicate with his son Jake, on the series (*) Touch.** For 10 points—name this actor who starred as Jack Bauer on the Fox series 24.

answer: Kiefer (William Frederick Dempsey George Rufus) Sutherland

<336683>

12. **Many arachnids have the "book" type of these organs. The pleural ["plural"] cavity surrounds these organs that expand when the diaphragm [DYE-uh-FRAM] contracts. (*) Emphysema [EMP-fuh-ZEE-muh] is a disease of these organs, which are filled with alveoli [al-VEE-oh-lye].** For 10 points—name this pair of organs in the chest that are used in breathing.

answer: lungs

<336354>

13. **Samuel Mullet Sr., an Ohio member of this group, was sentenced to prison in 2013 for ordering hair-cutting attacks. Lebanon Levi appears on a Discovery Channel show about its "mafia." One form of (*) Anabaptist theology is practiced by—for 10 points—what people known for simple living?**

answer: Amish (prompt on "Mennonite"; prompt on "Anabaptist" before mentioned)

<333273>

14. **In March 2013 the U.S. sanctioned Greece's Impire Shipping for helping this country sell crude oil. A computer virus ruined centrifuges at its Natanz enrichment plant, which many fear will produce (*) weapons-grade uranium.** For 10 points—give this nation led by Mahmood Ahmadinejad [mah-MOOD ah-mah-dee-nee-ZHAHD] in Tehran.

answer: Islamic Republic of Iran [ee-RAHN] (or Jomhuri-ye Eslami-ye Iran)

<306136>

15. **The formula with this name can be derived by completing the square. The part of it outside the square root is used to find the x-coordinate of a vertex, and the part inside the square root is the (*) discriminant.** For 10 points—name the formula used to solve equations with an x squared term.

answer: quadratic formula

<328638>

16. **Pope Pius IX ["the ninth"] donated a block meant for this structure designed by Robert Mills; the block was thrown into the Potomac by Know-Nothing supporters. Its (*) capstone weighs 3300 pounds. The Reflecting Pool is adjacent to—for 10 points—what 555-foot tall obelisk in the United States capital?**

answer: Washington Monument

<328605>

17. **In one election, this Democrat was backed by Republican Mugwumps and defeated James G. Blaine, who accused him of "Rum, Romanism, and Rebellion." In his second term he intervened in the Pullman Strike.**

(*) For 10 points – what president sandwiched Benjamin Harrison with non-consecutive terms?

answer: (Stephen) Grover Cleveland

<336612>

18. **The Dogger Bank is a shallow section of this sea. The Wadden Sea is an intertidal section of it along the Frisian [FREE-shun] Islands. Borders of this sea include the Orkney Islands, the (*) Shetland Islands, and the Strait of Dover.** For 10 points – name this sea between Great Britain and Scandinavia.

answer: North Sea

<335529>

19. **People are selected to be on one of these in a process known as "voir dire" [VWAR "dear"]. One of these that issues indictments, and thus determines whether a (*) trial can take place, is known as a "grand" one.** For 10 points – name these panels of citizens who hear evidence and reach a verdict at trials.

answer: jury (accept grand jury)

<338274>

20. **Hermes guided people to this location in his role as psychopomp. Phlegethon [FLEHG-uh-thahn], which passed through here, was made of fire, while Lethe [LEE-thee] allowed people to lose their (*) memories, and the gods swore oaths on another river located here.** For 10 points – name this realm, the site of the river Styx ["sticks"].

answer: Hades (or the Greek underworld or Greek abode of the dead or Greek afterlife; prompt on "Tartarus" or partial answers without the idea of Greekness; accept any answer implying a place the Greeks went after death)

<325943>

21. **In Java, generic type parameters are enclosed in these two characters. Combining them means "not equal to" in SQL ["sequel"] and BASIC. On the command line, the pipe and these symbols redirect (*) input and output.** XML and HTML tags are surrounded by – for 10 points – what symbols used to compare numbers?

answer: less-than symbol and greater-than symbol (either order) (or left and right angle brackets)

<338381>

22. **Avidius Cassius rebelled against this man, who co-ruled for eight years with Lucius Verus. This last of the Five Good Emperors was succeeded by his son Commodus.** (*) For 10 points – name this Roman emperor, a disciple of Stoicism who wrote the *Meditations*.

answer: Marcus Aurelius (Antoninus Augustus)

<337911>

23. **In 2012 works, these characters visit the Thrill Kingdom roller coasters and assist Dylan, from the band Crush, when a guitar disappears. Aunt Gertrude and father (*) Fenton are among their Bayport relatives.** For 10 points – name these detective brothers created by Franklin W. Dixon.

answer: The Hardy Boys (or Frank and Joe Hardy)

<326239>

24. **Impulse is the product of force and this quantity, which divides work to give average power. Its "direction" is defined by the second law of thermodynamics. The change in position equals this multiplied by the average (*) velocity.** For 10 points – name this quantity measured in seconds.

answer: time

<334423>



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Bonuses

-
1. He wrote a violin concerto and a double concerto for cello and violin for Joseph Joachim [YOH-ah-keem]. For 10 points each –
- A. Name this composer of *A German Requiem*, considered the last of the “three B’s” of classical music.
answer: Johannes Brahms
- B. Brahms was close to Clara, the widow of this composer of the piano works *Carnaval*, *Scenes from Childhood*, and *Kreisleriana* [kryss-layr-ee-AH-nah].
answer: Robert Schumann [SHOO-mahn]
- C. Schumann, in the *New Journal for Music*, wrote “Hats off gentleman, a genius!” on first hearing the works of this Polish-born pianist who wrote études [ay-TOODS] and mazurkas [mah-ZUR-kuhs].
answer: Frédéric (François) Chopin [shoh-PAN] (or Fryderyk Franciszek Szopen)
- <338375>
2. During the 17th century it ruled most of India. For 10 points each –
- A. Name that Islamic dynasty, whose emperors included Babur and Akbar the Great.
answer: Mughal dynasty (or Mughal empire or Mogul dynasty or Mogul empire)
- B. In the 18th century, the Mughals faced a separatist movement whose members, such as Guru Gobind Singh, practiced this religion of the Punjab.
answer: Sikhism (or Sikh religion)
- C. Bahadur Shah II, the last Mughal, was deposed by the British as a result of this 1857 uprising by Indian soldiers.
answer: Sepoy Rebellion (or Sepoy Mutiny; prompt on “Indian Mutiny”)
- <338515>
3. The suffix “-fy” means “to make or cause to be.” For 10 points each – what “-fy” word means . . .
- A. To make easier, plainer, or less complex?
answer: simplify (accept clarify)
- B. To paralyze with astonishment or fear, or to convert something into stone?
answer: petrify
- C. To adore, or to raise someone or something to the status of a god?
answer: deify
- <316019>
4. A triangle is one, but a circle is not. For 10 points each –
- A. Name this type of two-dimensional figure whose border is a finite number of straight line segments, none of which cross.
answer: polygon(s)
- B. What term further describes a polygon if all of its diagonals are inside the polygon?
answer: convex polygon
- C. What term describes a convex, equilateral, equiangular polygon? Any four-sided polygon with this property is a square.
answer: regular polygon (accept word forms)
- <336778>

5. His painting *A Sunday Afternoon on the Island of La Grande Jatte* [zhaht] is at the Art Institute of Chicago. For 10 points each—

A. Name this French pointillist [PWON-tih-list].

answer: Georges (Pierre) Seurat [jorj suh-RAH]

B. In Seurat's *A Sunday Afternoon on the Island of La Grande Jatte*, a woman walks this type of animal on a leash near a frisky dog.

answer: monkey

C. The island of La Grande Jatte is in this river. A restaurant on its bank is the setting of Renoir's *Luncheon of the Boating Party*.

answer: Seine [sehn] river

<337891>

6. The Hoggar and Tibesti [tih-BEST-tih] mountain ranges are in this desert. For 10 points each—

A. Name this desert that covers north Africa.

answer: Sahara Desert (or as-Sahra al Kubra)

B. One Saharan country is this one indented by the Gulf of Sidra, whose cities include Benghazi and Tripoli.

answer: (State of) Libya (or Dawlat Libya)

C. Libya tried to claim the Aouzou [AH-zoo] Strip, a mineral-rich region of this southern neighbor. N'Djamena [JAH-meh-nuh] is the capital of this country named for a lake fed by the Chari [shaw-REE] River.

answer: Republic of Chad (or République du Tchad)

<335840>

7. This war started with a surprise attack called Operation Focus. For 10 points each—

A. What 1967 Middle Eastern conflict takes its name from the fact that it lasted less than a week?

answer: Six-Day War

B. As a result of the Six-Day War, Israel seized control of these “heights” from Syria.

answer: Golan Heights (or Ramat ha-Golan or Hadbatu al-Jawlan; accept Syrian Golan)

C. This man commanded Israeli forces during the Six-Day War. This former Israeli prime minister has been incapacitated since he suffered a stroke in 2006.

answer: Ariel Sharon (or Ariel Scheinermann)

<338545>

8. Pencil and paper ready. For 10 points each— what is the area of a rectangle that . . .

A. Has sides parallel to the x and y axes, with a top right corner at $(8, 2)$ [“eight comma two”] and a bottom left corner at $(3, -5)$ [“three comma negative five”]?

answer: 35 [Its length and width are the differences between the x -coordinates and y -coordinates, respectively, so $l = x_1 - x_2 = 8 - 3 = 5$ and $w = y_1 - y_2 = 2 - (-5) = 7$; $A = lw = 5 \times 7 = 35$.]

B. Has a perimeter of 40 and a length-to-width ratio of 3:2 [“three to two”]?

answer: 96 [$2l = 3w$; $P = 2l + 2w = 40$, so $3w + 2w = 40$, so $5w = 40$, and $w = 8$; $2l = 3 \times 8 = 24$, and $l = 12$; thus, $A = lw = 12 \times 8 = 96$]

C. Is the base of a pyramid whose volume is 100 and whose height is 2?

answer: 150 [$V = (1/3) \times B \times h = 100$, so $2B = 300$, and $B = 150$]

<336176>

9. The first round of this country's 2012 presidential election saw Marine Le Pen finish third. For 10 points each—

A. Name this country formerly led by Nicolas Sarkozy [nee-koh-LAH sahr-koh-ZEE].

answer: France (or French Republic or République française)

B. This former mayor of Tulle [tool] defeated Sarkozy on the second ballot to become president.

answer: François (Gérard Georges Nicolas) Hollande [frahn-SWAH oh-LAHN]

C. Hollande is a member of this political party that seeks support from labor unions and left-of-center voters.

answer: Socialist Party (or Parti socialiste)

<316323>

10. This novel's narrator dresses as a ham for a Halloween pageant. For 10 points each—

A. Name this novel in which the reclusive Boo Radley rescues Scout Finch.

answer: To Kill a Mockingbird

B. In *To Kill a Mockingbird*, Tom Robinson is accused of assaulting this daughter of the drunkard Bob Ewell. She claims not to know what a friend is, and is offended by Atticus Finch's politeness.

answer: Mayella (Violet) Ewell (prompt on "Ewell")

C. This American author wrote *To Kill a Mockingbird*.

answer: (Nelle) Harper Lee

<330427>

11. For 10 points each—name these rulers of imperial Russia:

A. Bolsheviks killed this last tsar in 1918.

answer: Nicholas II of Russia (or Nikolai II; prompt on "Nicholas" or "Nikolai")

B. This tsar who won the Great Northern War built Russia's 18th-century capital on the Gulf of Finland.

answer: Peter the Great (or Peter I or Pyotr Velikiy; prompt on "Peter" or "Pyotr")

C. This empress known as "the Great" was Russia's enlightened despot between 1762 and 1796.

answer: Catherine the Great (or Catherine II or Yekaterina Velikaya or Yekaterina II or Sophie Friederike Auguste von Anhalt-Zerbst-Dornburg; accept any underlined name; prompt on "Catherine" or "Yekaterina")

<336065>

12. He became secretary of state in February 2013. For 10 points each—

A. Name this former senator and presidential candidate.

answer: John (Forbes) Kerry

B. John Kerry represented what state in the Senate?

answer: Massachusetts

C. Kerry was the 2004 Democratic presidential nominee. What North Carolina senator was his running mate?

answer: John(ny Reid) Edwards

<338333>

13. They include a *proteus* [PRO-tee-uhs] species and are named for their ability to change shape. For 10 points each—

A. Name this Protozoa genus that consists of unicellular organisms, considered by some to be the most primitive animals.

answer: amoebas (or amoebae)

B. Amoebae move using these "false feet" formed by extending their ectoplasm.

answer: pseudopods (or pseudopodia)

C. Amoebae also use their pseudopods to engulf other microorganisms, making them this type of organism that cannot produce its own energy.

answer: heterotrophs (or consumers)

<336917>

14. The protagonist of this novel spends time at Lowood School. For 10 points each—

A. Name this novel whose title character is reunited with a blind Mr. Rochester after the burning of Mr. Rochester's estate.

answer: Jane Eyre

B. *Jane Eyre* was written by Charlotte, an author with this surname. Her sister Emily wrote *Wuthering Heights*.

answer: Brontë [BRON-tay] (accept Charlotte Brontë or Emily Brontë)

C. Jane spends time in this job, teaching Mr. Rochester's child, Adele. The narrator of Henry James's *The Turn of the Screw* has this occupation.

answer: governess (do not accept or prompt on similar answers)

<314945>

15. The Civil War general Philip Sheridan briefly oversaw martial law in this city. For 10 points each—

A. Name this Illinois city devastated by an 1871 fire.

answer: Chicago (accept Chicago Fire)

B. Although the story was fabricated by a journalist, the fire was blamed on a lantern kicked over by a cow owned by this Irish immigrant.

answer: (Mrs.) Catherine O'Leary (accept Patrick O'Leary)

C. Chicago had recovered by 1893, when it hosted this event that featured the original Ferris wheel.

answer: 1893 World's Fair (or World's Columbian Exposition; accept 1893 World Fair or World Columbian Exposition; prompt on "fair" or "exposition")

<329645>

16. For 10 points each—name these geographic features of Alaska:

A. Alaska's Denali National Park is the site of this mountain, the highest in North America.

answer: Mount McKinley

B. This archipelago, which extends west from Alaska's southwest coast, forms the southern border of the Bering Sea.

answer: Aleutian [ah-LOO-shun] Islands

C. This mountain range containing the Gates of the Arctic National Park dominates the northern half of Alaska.

answer: Brooks Range

<338254>

17. Groups living in this land include the Winkies, Quadlings, and Gillikins. For 10 points each—

A. Name this land created by L. Frank Baum whose capital is the Emerald City.

answer: Oz

B. Galinda Arduenna Upland and Elphaba Thropp are characters in this Gregory Maguire book set in Oz that was turned into a Broadway musical.

answer: Wicked: The Life and Times of the Wicked Witch of the West

C. In *Oz the Great and Powerful*, Mila Kunis plays the Wicked Witch of the West, who is known by this name in the film. She eats an apple that is supposed to remove heartache but instead turns her green.

answer: Theodora

<337610>

18. This novel is named for a truth-telling device called an alethiometer. For 10 points each—

A. Name this novel in which Lyra Belacqua attempts to rescue Roger Parslow from the clutches of her Dust-obsessed Uncle Asriel.

answer: The Golden Compass (or Northern Lights; do not accept "His Dark Materials")

B. In *The Golden Compass*, this *panserbjørne* [PAN-zer-bee-yorn], or armored bear, kills Iofur Raknison to seize control of Svalbard.

answer: Iorek Byrnison (accept either underlined portion)

C. *The Golden Compass* is the first book in what British author's *His Dark Materials* trilogy?

answer: Philip Pullman

<329515>

19. A "cinder cone" is one type of these structures. For 10 points each—

A. Name these ruptures in the Earth's crust where molten rock escapes from the interior as lava. Mount Erebus ["AIR"-uh-buss] is one.

answer: volcanoes (accept stratovolcano)

B. Most volcanism results from the movement of these large lithospheric pieces of Earth's crust.

answer: tectonic plates (prompt on "plate(s)")

C. Volcanic Hawaii, in the middle of the Pacific Plate, lies atop one of these descriptively-named regions that may be related to mantle plumes. Yellowstone National Park lies atop another.

answer: hot spots

<337123>

20. This country's Nakdong [NACK-dong] River passes through its cities of Daegu [DAY-goo] and Busan [boo-SAHN]. For 10 points each—

A. Name this country that occupies the southern portion of an Asian peninsula.

answer: South Korea (or Republic of Korea or ROK or Taehan-min'guk or Han'guk; prompt on "Korea"; do not accept "North Korea" or "Democratic People's Republic of Korea")

B. Mount Bukhan [boo-KAHN] is near this capital of South Korea.

answer: Seoul (Special City)

C. Gunsan [guh-SAHN] and Mokpo [MOCK-poh] are ports on this body of water also known as the West Sea in South Korea.

answer: Yellow Sea

<334485>

21. This actor played a character who loses a younger brother to a car accident in *Charlie St. Cloud*. For 10 points each—

A. Name this teen heartthrob who also starred in *17 Again* and *New Year's Eve*.

answer: Zac Efron

B. Efron portrayed this basketball captain in the *High School Musical* trilogy.

answer: Troy Bolton (accept either underlined name)

C. Efron played Link Larkin in the film adaptation of this musical about Baltimore's *Corny Collins Show*, which also starred John Travolta in drag.

answer: Hairspray

<313319>

22. For 10 points each—give these answers about vitamin deficiencies:

A. Retinol [RET-in-ahl] is one form of this vitamin, a lack of which causes night blindness.

answer: vitamin A

B. Deficiencies of both vitamins B₆ [B-"six"] and E cause this condition, a decrease in the red blood cell count. People with it may be easily fatigued or become light-headed.

answer: anemia (accept word forms)

C. A lack of vitamin K can impede the ability of blood to do this, which is also a danger in hemophilia.

answer: form blood clots or coagulate (or thrombosis or thrombogenesis; accept word forms)

<329414>

23. For 10 points each—give these answers about World War II's Pacific theater:

A. On December 7, 1941, Japanese forces destroyed the USS *Arizona* by bombing what harbor on the island of Oahu [oh-AH-hoo]?

answer: Pearl Harbor

B. The Japanese lost the *Akagi* and *Hiryu* at what June 1942 battle that followed the Battle of the Coral Sea?

answer: Battle of Midway

C. Joe Rosenthal took a February 1945 picture of six servicemen raising a flag atop Mount Suribachi [suh-ree-BAH-chee] on what Japanese island?

answer: Iwo Jima (or Io-to)

<313478>

24. The U.S. claimed the ability to lease Guantanamo Bay Naval Base from this country with the Platt Amendment. For 10 points each—

A. Name this country ruled for 49 years by Fidel Castro.

answer: Republic of Cuba (or República de Cuba)

B. Cuba is the setting of this Ernest Hemingway novel about Santiago's attempt to reel in a marlin.

answer: The Old Man and the Sea

C. Cuba is also the setting for John Singleton Copley's painting of Brook Watson being attacked by one of these creatures. Their varieties include the mako.

answer: sharks

<337632>