



Middle School Series #3 Packet 1

Tossups

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1. **Pencil and paper ready. An urn contained an unknown number of marbles. After Chris tripled the original number, Dan doubled Chris's final count, making a total of 72 marbles in all. Working backward, one can find that the urn started with (*) — for 10 points — how many marbles?**

answer: 12 marbles [$2 \times 3x = 72$, so $6x = 72$, and $x = 12$]

<287857>

2. **This man who promoted a Songun, or military first, policy became Secretary of the Workers Party in 1997. Known to his people as the (*) "Dear Leader," he led a regime that conducted a 2006 nuclear weapons test. For 10 points — name this North Korean leader who died in 2011.**

answer: Kim Jong-il (prompt on "Kim")

<306358>

3. **This actor has played John Dillinger, J. M. Barrie, and Ed Wood. He was arrested by the Red Queen in 2010 and put into (*) Davy Jones's Locker in 2006. For 10 points — name this star, the Mad Hatter in *Alice in Wonderland* and Jack Sparrow in *Pirates of the Caribbean*.**

answer: Johnny (Christopher) Depp

<246627>

4. **This term is Arabic for "restoration" and its fundamental theorem states that non-constant polynomials have roots in the complex numbers. Its techniques include FOIL-ing and completing the (*) square. For 10 points — name this branch of mathematics that solves equations and uses variables like x .**

answer: algebra

<295659>

5. **This city south of the Prairies River is named for a hill with three peaks. Its Underground City, the world's largest underground complex, lies near McGill University, and its Jacques Cartier Bridge crosses the (*) St. Lawrence River. For 10 points — name this most populous city of Quebec.**

answer: Montreal [named after Mount Royal]

<282710>

6. **One of these expeditions changed its plan and sacked Constantinople in 1204. Walter the Penniless and Peter the Hermit led one composed of peasants. The first was called for at the (*) Council of Clermont by Urban II. For 10 points — name these military campaigns to reclaim the Holy Land.**

answer: crusades (accept Fourth Crusade, Peasants' Crusade, or First Crusade)

<307139>

7. These type of people live in Eastwick in a John Updike novel and are named Mayfair in an Anne Rice series. Those with blue spit are the title group of a Roald Dahl work. (*) For 10 points – name this type of person, whose “white” variety appears with a lion and wardrobe in a C.S. Lewis novel.

answer: witches (accept The Witches of Eastwick, Lives of the Mayfair Witches, The Witches, the White Witch, or The Lion, the Witch, and the Wardrobe)

<292192>

8. Paul Cézanne painted one of these called Victoire [veek-TWAH] and Katsushika Hokusai gave 36 views of a Japanese one. One is “magic” in a Thomas Mann novel, and the Grampians and (*) Caucasus are European sets of these geologic features. For 10 points – name these high places such as K2 or Olympus.

answer: mountain (accept Magic Mountain, mountain chains, et cetera)

<280755>

9. This technology was supported by 22 zoning and connection grants from an agency led by Steven Chu. The Obama administration took heat for loans to a failed company that produced cylinders for this (*) renewable resource. For 10 points – the Rooftop Initiative is to increase use of what energy?

answer: solar energy (accept variants like photovoltaic cells) [Steven Chu is the current Energy Secretary.]

<306101>

10. Republicans who have held this position include Joseph Cannon, Thomas Reed, and James G. Blaine. Sam Rayburn held it longer than anyone, and (*) Nancy Pelosi was the first woman in this job. For 10 points – name this leading figure in the U.S. House of Representatives.

answer: Speaker of the House

<290222>

11. Some include Ophiuchus [oh-FUKE-cus] in this collection because of its present closeness to the ecliptic. Precession of equinoxes has caused some of its members to drift apart in the (*) sky. For 10 points – Gemini, Leo, and Pisces are part of what set of twelve constellations some use in astrology?

answer: zodiac constellations

<305072>

12. Beatrix Potter's Jemima Puddle-Duck was based on this character, as was Roudette in a Jim Hines book. In a Charles Perrault story, she wears a chaperon, is tricked into giving a house's location, and is threatened by a (*) wolf. For 10 points – name this colorful fairy tale girl.

answer: Little Red Riding Hood

<304031>

13. This organization annually awards the Spingarn Medal. Founded in 1909 following the Springfield Riots, its magazine, *The Crisis*, was initially edited by W. E. B. DuBois [doo BOYCE]. Anti-lynching and (*) desegregation laws were advocated by – for 10 points – what African-American civil rights organization?

answer: NAACP or National Association for the Advancement of Colored People

<306544>

14. In 1952 Pan Am cut seven hours off a Tokyo to Honolulu flight using this phenomenon. The Polar one is at the top of the troposphere, and locations south of it typically have higher temperatures, as seen on TV (*) weather maps. For 10 points – name these fast air currents, called “streams.”

answer: jet streams

<305738>

15. Valerie Solanas tried to kill this artist, whose studio was called The Factory. This man who produced a silkscreen with 50 portraits of Marilyn Monroe remarked that “everyone will be world- (*) famous for 15 minutes.” For 10 points – name this American pop artist of *Campbell's Soup Cans*.

answer: Andy Warhol (or Andrew Warhola)

<305810>

16. The third book of this series, *Mattimeo*, sees an invasion led by General Ironbeak. The last title was 2011's *The Rogue Crew*, and this series is set in Southward and Mossflower Woods. (*) For 10 points – name this Brian Jacques [“jakes”] series in which animals live in a namesake Abbey.

answer: Redwall

<304029>

17. DES was an IBM standard for this process using a block design, controversially developed with NSA help. Large prime numbers are often used in the public key type. (*) For 10 points – give the term for techniques used by those wishing to keep data confidential, often using secret codes.

answer: encryption (accept word forms; accept cryptography or cryptology) [Some feared that the NSA had built in a “backdoor” for government access.]

<305576>

18. **Hatay [hah-TYE], Batman [baht-MAHN], and Karaman [kah-rah-MAHN]** are provinces in this country whose Mount Agri is near the biblical Mount Ararat. Its western portion is known as Thrace and it has borders with Bulgaria, Georgia, and (*) Syria. For 10 points – name this country, site of Istanbul.

answer: Republic of Turkey (or Türkiye Cumhuriyeti)

<294866>

19. Near the start of this war, French king John II was captured by Edward, the Black Prince at the Battle of Poitiers [pwah-tee-ay]. In its later stages, the Siege of Orléans [AWR-ley-ahn] was lifted by (*) Joan of Arc.

For 10 points – name this medieval conflict between France and England that lasted more than a century.

answer: Hundred Years' War (accept Edwardian War before "Orléans" is read)

<306495>

20. This literary character teaches under the alias Elliot and declines a marriage proposal from St. John [sin jin] Rivers. Earlier she went to Lowood School, became governess of Thornfield Hall, and fell in love with her employer, (*) Edward Rochester. For 10 points – name this Charlotte Brontë [BRON-tay] character.

answer: Jane Eyre (accept either name)

<304450>

21. Travelers from Pontresina to Tirano use these mountains' Bernina Pass and one can go from Innsbruck to Sterzing via the Brenner Pass. A tunnel connects Chamonix, (*) France to Courmayeur, Italy under their Mont Blanc. For 10 points – name these mountains that stretch from France to Austria.

answer: Alps (or Alpine Mountains)

<305859>

22. These medical devices may be used to correct problems in the bundle of His or the atrioventricular [ey-tree-oh-ven-TRIK-yuh-ler] node. Adversely affected by early microwave ovens, they are often implanted in the right (*) ventricle. For 10 points – name these electrical devices that regulate heartbeats.

answer: (artificial) pacemakers

<306552>

23. In 2011's Week 7, this NFL team scored 62 points against the Colts. In 2005 they played home games in San Antonio and (*) Baton Rouge, and during the 2009 season won Super Bowl XLIV ["44"], again over the Colts. For 10 points – name this Superdome-based team featuring quarterback Drew Brees ["breeze"].

answer: New Orleans Saints (accept either) [The 62 points ties the NFL's post-merger record. Hurricane Katrina forced them to move their 2005 home games.]

<305847>

24. This 2011 event left a record 750,000 Connecticut residents without power, and led New York City to shut down its airports and issue its first-ever mandatory (*) evacuation order. It made landfall in North Carolina as a Category 1 storm. For 10 points – name this first hurricane of 2011.

answer: Hurricane Irene (accept Tropical Storm Irene)

<296423>



Middle School Series #3
Packet 1

Bonuses

-
1. This phenomenon is named for the Roman goddess of the dawn. For 10 points each –
 - A. Give these atmospheric displays caused by charged particles, more visible as one gets closer to the poles.
answer: aurora (borealis or australis) or northern lights or southern lights
 - B. The charged particles causing aurora comes from this stream originating in the center of our Solar System. This astronomical “weather” shapes comet tails.
answer: solar wind (prompt on partial answers)
 - C. This layer of Earth's atmosphere is shaped by solar wind. This region contains the Van Allen radiation belts and affects compass readings.
answer: magnetosphere
- <305732>
2. For 10 points each—name these U.S. rivers:
 - A. Forming the Iowa-Illinois border, this river flows south past the cities of Tunica, Vicksburg, and Natchez.
answer: Mississippi River
 - B. One river flowing into the Mississippi is this one on the Nebraska-Iowa border. Due to its silt, it is nicknamed “Big Muddy.”
answer: Missouri River
 - C. This river rises in Colorado and meets the Mississippi near Stuttgart in a namesake state.
answer: Arkansas River
- <269222>
3. Medieval trade across this desert used camel caravans to exchange gold for salt. For 10 points each –
 - A. Name this desert beyond the Sahel that stretches across northern Africa.
answer: Sahara Desert
 - B. One Saharan country is this one with capital Bamako [BAH-mah-koh]. Its regions of Gao [gow] and Timbuktu were centers of medieval empires.
answer: Republic of Mali (or République de Mali)
 - C. The Alaouite [ah-lah-“white”] Dynasty has ruled this Saharan nation since the 17th century. France attempted to exile its sultan Mohammed V [“the fifth”], whose tomb is in Rabat.
answer: Kingdom of Morocco (or Al Mamlakah al Maghribiyah)
- <296271>
4. For 10 points each—name these mathematical ratios:
 - A. The ratio of a circle's circumference to its diameter is symbolized by this Greek letter.
answer: pi
 - B. The ratio of a line's rise over its run is this quantity.
answer: slope
 - C. This colorful ratio, approximately 1.62, has been tied to the rectangular forms in several ancient structures including the Greek Parthenon.
answer: golden ratio (or golden mean; prompt on “phi”)
- <276986>

5. Its titles have included *Don't You Forget About Me* and *All I Want Is Everything*. For 10 points each—
- Name this Cecily von Ziegesar book series turned into a CW television show.
answer: Gossip Girl
 - This protagonist of the *Gossip Girl* series is jealous when she learns of an affair between her friend Serena and her boyfriend Nate.
answer: Blair Waldorf (accept either underlined name)
 - Blair's rival Serena lands a role in a remake of this Truman Capote [kuh-POH-tee] story in which Holly Golightly loves a Manhattan jewelry store.
answer: Breakfast at Tiffany's

<307089>

6. For 10 points each—name these group dances:
- This dance has participants put their head, backside, and right arm “in and shake it all about.” It is performed at Virginia Tech football games due to their mascot’s name.
answer: Hokey Pokey (accept Hokey Cokey or Hokie Pokie)
 - In 1994, Los del Río hit the charts with this single. Dancers put their arms out, on their shoulders, and behind their head, then swing their hips and turn ninety degrees.
answer: Macarena
 - “Five hops this time” is an instruction in this DJ Casper hit in which dancers are told “left foot let’s stomp” and “let me hear you clap yo hands.”
answer: Cha Cha Slide

<305583>

7. This work opens with string instruments playing “God Save the Tsar.” For 10 points each—
- Name this Peter Ilich Tchaikovsky [chy-KOFF-skee] composition commemorating Napoleon’s failed invasion of Russia.
answer: 1812 Overture (or Festival Overture, “The Year 1812”)
 - The 1812 Overture’s ending calls for these “instruments” for realistic battle explosions. Real ones are fired on July 4 at outside Washington D.C. performances.
answer: cannon (accept artillery pieces; prompt on “guns”)
 - As Robert Schumann [SHOO-mahn] did in “The Two Grenadiers” [greh-nuh-DEERS], Tchaikovsky quoted what French national anthem in the 1812 Overture?
answer: La Marseillaise [lah mar-say-YEZ]

<268937>

8. For 10 points each—name these Civil War generals:
- This man who accepted the Confederate surrender at Appomattox won the presidential elections of 1868 and 1872.
answer: (Hiram) Ulysses S(impson) Grant
 - This Union general led the Army of the Potomac to disaster at the Battle of Fredericksburg. A Rhode Island governor, he was known for his distinctive facial hair.
answer: Ambrose (Everett) Burnside
 - Shot at Chancellorsville, this man earned the nickname “Stonewall” after Barnard Bee saw him standing at Manassas.
answer: (Thomas Jonathan) Stonewall Jackson

<305918>

9. For 10 points each—name these rodents:
- This busy semi-aquatic creature of genus *Castor* cuts down trees to make dams and lodges.
answer: beavers
 - This acorn-loving rodent has types including Eastern gray, red, and flying.
answer: squirrels (accept Eastern gray squirrel or red squirrel or flying squirrel)
 - Viscachas and these rodents make up a family found in South America, some of which are prized for their fur.
answer: chinchillas [The family is *Chinchillidae*.]

<284596>

10. For 10 points each—name these children of Zeus:

A. This son of Zeus and Hera was the Greek god of war.

answer: Ares (do not accept "Mars")

B. This Olympian goddess of wisdom was fully grown when she sprang forth from Zeus' head.

answer: Athena

C. Leto was the mother of this sun god and his twin sister Artemis.

answer: (Phoebe) Apollo

<277885>

11. For 10 points each—answer the following about UFO sightings:

A. Governor Fife Symington saw mysterious V-shaped lights over this state in March 1997. In 2000, its senator John McCain said the lights have "never been fully explained."

answer: Arizona

B. 1947 news reports from this southeastern New Mexico city reported the capture of a "flying saucer"; at the time, the military claimed the device was just a weather balloon.

answer: Roswell, New Mexico

C. He was a successful peanut farmer when he saw a UFO in Leary, Georgia, in 1969; seven years later, he won the U.S. presidential election.

answer: (James Earl) Jimmy Carter (Jr.)

<299131>

12. For 10 points each—answer these questions about power:

A. What six-letter term refers generally to machines that convert energy into mechanical force? Cars are powered by the "combustion" type.

answer: engines (accept combustion engines or motors)

B. The alternator is the AC analogue of what device, essentially an engine in reverse, that can convert mechanical energy into direct current?

answer: dynamo

C. The SI unit of power is named for which Scottish engineer who improved on the Newcomen steam engine?

answer: James Watt

<289853>

13. For 10 points each—answer the following about austerity measures in Europe:

A. Prime Minister George Papandreou's [pah-pahn-DRAY-oo's] attempts to reduce the large debt owed by this country led to riots.

answer: Greece (or Hellenic Republic or Ellas or Ellada or Elliniki Dhimokratia)

B. This man who became British prime minister in May 2010 has been criticized for imposing austerity on university budgets.

answer: David (William Donald) Cameron

C. This country's austerity budget, passed in five days, was a marked change from headlines involving former Prime Minister Silvio Berlusconi's [SEEL-vee-oh burr-loos-KOH-nee's] alleged relationship with a Moroccan teenager named Ruby.

answer: Italy (or Italian Republic or Repubblica Italiana)

<293585>

14. For 10 points each—name these colorful items awarded in sports:

- A. At soccer's 2010 World Cup, Uruguay's Nicolás Lodeiro was the first to earn one of these cards, by which he was ejected from a game against France.

answer: red card

- B. By winning the 2010 Masters, Phil Mickelson earned his third jacket of this color awarded by the Augusta National Golf Club.

answer: green jacket

- C. During each stage of the Tour de France bicycle race, the current overall leader in the general classification wears a jersey of this color.

answer: yellow jersey (or maillot jaune)

<268964>

15. For 10 points each—give these answers related to national epics of countries' histories:

- A. "The Poem of the Cid" tells of this country's reconquest of the Iberian peninsula from the Moors.

answer: Kingdom of Spain (or Reino de España)

- B. *The Song of the Nibelungs* is about events in this country during the 5th century. Composer Richard Wagner [REE-kahrt VAHG-ner] adapted the material into operas.

answer: Federal Republic of Germany (or Bundesrepublik Deutschland)

- C. *The Cattle Raid of Cooley* is an epic of this country whose authors include Sean O'Casey, Samuel Beckett, and William Butler Yeats [YATES].

answer: Republic of Ireland (or Éire or Poblacht na hÉireann)

<295343>

16. For 10 points each—name these Wonders of the Ancient World:

- A. A Persian leader and his wife Artemisia II ["the second"] of Caria were interred in this structure, a term that still means buildings that house tombs.

answer: The Mausoleum [built for Mausolus]

- B. This botanical structure in Babylon was constructed by Nebuchadnezzar II ["the second"] for his wife, who missed the flora of her homeland.

answer: The Hanging Gardens of Babylon

- C. The Cretan architect Chersiphron [kuhr-sih-frahn] designed this 6th-century BC structure at Ephesus dedicated to a god the Romans called Diana.

answer: The Temple of Artemis (at Ephesus)

<306368>

17. For 10 points each—give these answers related to the disputed 2000 election:

- A. The election's result pivoted on the 25 electoral votes of this state. At issue was the confusing "Butterfly Ballot" and recounts in Broward and Palm Beach counties.

answer: Florida

- B. The losing candidate was this Tennessee Senator who shared the 2007 Nobel Peace Prize for his efforts related to climate change.

answer: Al(bert) Gore (Jr.)

- C. Some believe Gore was hurt by this candidate who finished third in the 2000, 2004, and 2008 elections. This consumer advocate wrote the 2009 work *Only the Super-Rich Can Save Us!*.

answer: Ralph Nader

<294995>

18. When they occur, S and P waves travel through the Earth. For 10 points each—
- A. What are these geologic events whose intensities have been measured on the Richter and Mercalli scales?
answer: earthquakes
- B. Earthquakes tend to happen at these boundaries between tectonic plates that can be classified as dip- and strike-slip. The San Andreas one runs through the western U.S.
answer: faults
- C. This is the point on the Earth's surface directly above the focus, or the underground place where an earthquake originates. It is often the point of greatest damage.
answer: epicenter

<295899>

19. For 10 points each—name these Stephen King works:
- A. “We all float down here” is what Pennywise the clown tells the characters in this work whose title creature can appear in various forms.
answer: It
- B. Captain Trips is a virus that wipes out 99% of humans in this work whose good and evil characters gather in Boulder and Las Vegas, respectively.
answer: The Stand
- C. A 2012 release, *The Wind Through the Keyhole*, is the eighth title in this series named for an ominous structure that began with 1982's *The Gunslinger*.
answer: Dark Tower

<303980>

20. Some recent holders of this office include John XXIII (“the twenty-third”), Paul VI (“the sixth”). For 10 points each—
- A. Name this office, a religious position that leads a Christian denomination with over a billion members.
answer: pope or papacy (accept Pontifex Maximus)
- B. Popes are chosen by a college of these officials who traditionally wear red. Members of the college must be less than 80 years old to vote.
answer: College of Cardinals
- C. In 1978 the College of Cardinals elected this man, the first Pole to become Pope.
answer: Pope John Paul II (or Karol Józef Wojtyla)

<306280>

21. For 10 points each—name these geographic features of South Africa:
- A. The “cape” in Cape Town is this one, renamed from the “Cape of Storms” when Portuguese explorers rounded it en route to India.
answer: Cape of Good Hope
- B. South Africa's most populous city is not Cape Town, but this city, the capital of Gauteng [GAW-teng] province.
answer: Johannesburg
- C. A much less populous part of South Africa is this desert shared with neighboring Namibia. Its name is a word that means “waterless place” in local languages.
answer: Kalahari Desert

<307451>

22. In German, these include “ich” (“ick”), “wir” [VEER], and “sie” (“zee”). For 10 points each—
- A. Name this part of speech that in English includes “we” and “they.”
answer: (personal) pronouns
- B. When asking for a response with the abbreviation “RSVP,” the “V” is this French pronoun for the plural “you.”
answer: vous [VOO] (accept répondez s'il vous plaît)
- C. The familiar *neohuideul* and honorific *dangsindeul* are plural pronouns in this Asian language that is written with the Hanjul alphabet or Hanja characters.
answer: Korean

<304452>

23. For 10 points each—give these days of the week significant in world religion:

A. Seventh-day Adventists celebrate the sabbath on this day, rather than Sunday.

answer: Saturday

B. Also called Pancake Day, the Shrove one of these days precedes Lent and sees Mardi Gras celebrations.

answer: Tuesday

C. The Jum'ah is an Islamic prayer held on what day?

answer: Friday

<214591>

24. The Battle of Worcester [WOOS-ter] is regarded as marking the end of this country's 17th-century civil war. For 10 points each—

A. Name this country that in 1707 joined its northern neighbor, Scotland, to form the United Kingdom of Great Britain.

answer: England (accept English Civil War(s))

B. This king of England, the son of James I, was deposed and executed during the English Civil War.

answer: Charles I of England (prompt on "Charles")

C. Charles I was opposed by supporters of this legislative institution still in existence.

answer: Parliament (accept House of Commons; accept Long Parliament)

<306499>