

1. Operation Blitz was one attempt to quell an uprising in this country, which included the Lari Massacre and was led by Dedan Kimathi (DEE-dahn key-MAH-tee). More recent rulers of this country have included Daniel arap Moi (MOY), who was opposed by Richard Leakey. A 2007 election in this country saw Raila Odinga (RYE-luh oh-DING-guh) controversially lose to Mwai Kibaki (mu-WHY kee-BAH-kee). For 10 points, name this location of the Mau Mau rebellion and homeland of Barack Obama's father.

ANSWER: Republic of **Kenya**

038-09-3-03101

2. In this novel, Matt Bonner's yellow mule is given a mock funeral by the entire town. One character in it is beaten after cutting a plug of tobacco and saved from drowning by grabbing a swimming cow's tail. The heroine of this work marries a man with huge toenails and unwashed feet, Logan Killicks, before running off to Eatonville with Jody Starks. The protagonist also marries Tea Cake, whom she shoots in self-defense after he gets rabies. For 10 points, name this novel about Janie Crawford by Zora Neale Hurston.

ANSWER: **Their Eyes Were Watching God**

060-09-3-03102

3. Shaders of this type can perform effects such as bump mapping. Rendering "sub" this changes the chromatic composition and is often used in font display. They are not directly encoded for in vector files, but they are used in raster, or bitmap files. The number of these on a monitor is referred to as resolution. For 10 points, name this smallest unit of a computerized image, which are often measured in "megas" when talking about digital cameras.

ANSWER: **pixel**

001-09-3-03103

4. A comedic scene in this play sees a porter pretending to be Hell's gatekeeper. Near the end of this play, the title character muses about the creeping of "tomorrow, and tomorrow, and tomorrow" before comparing life to a tale "full of sound and fury." A key scene in this play features a sleepwalking woman envisioning a spot of Duncan's blood on her hands. The title character is ultimately slain by a man "not of woman born," Macduff. For 10 points, name this Shakespearean tragedy about a murderous king of Scotland.

ANSWER: *The Tragedy of* **Macbeth**

052-09-3-03104

5. This thinker argued that the belief in an omnipotent, invisible god led to the development of abstract thought in his book *Moses and Monotheism*. He outlined his belief that people have a death instinct in his book *Beyond the Pleasure Principle*. This man argued that women are envious of the power of male genitalia. He theorized that the mind was divided into the superego, the ego, and the id. For 10 points, name this Austrian psychiatrist who developed psychoanalysis.

ANSWER: Sigmund **Freud** [or Sigismund Schlomo **Freud**]

004-09-3-03105

6. One novel by this author examines three former students of Lord Lugard College, including information minister Christopher Oriko and newspaper editor Ikem Osodi (EE-kem oh-SO-dee). That novel is centered in the fictional country of Kangan and is called *Anthills of the Savannah*. This man also wrote a novel in which the main character kills the boy Ikemefuna (ICK-eh-meh-FOO-nah) and beats his wife during the Week of Peace. For 10 points, name this Nigerian author of a work about the Igbo tribe member Okonkwo (oh-CONK-whoa), titled *Things Fall Apart*.

ANSWER: Albert Chinualumogu **Achebe**

030-09-3-03106

7. People who have been arrested for arranging these activities in recent years include Wang Fengyou (WONG feng-YOO), who used ant farms as a cover. The original one of these was started with thirty dollars worth of European postage stamps by an Italian immigrant to the U.S. This term refers to any investment plan that pays dividends out of the funds put down by new investors until collapsing. For 10 points, name this type of scam, for which Bernard Madoff is now serving a lengthy prison sentence.

ANSWER: a **Ponzi** scheme

045-09-3-03107

8. A 1770 struggle in New York City over this group's attempt to erect a large pole led to the Battle of Golden Hill. A chapter of this group raided the *HMS Gaspee*. Many of these groups branched out from the smaller local organizations created in opposition to the Currency Act, the Committees of Correspondence. A leading chapter of this organization was led by Samuel Adams and raided a ship dressed as Indians in the Boston Tea Party. For 10 points, name this patriotic organization that was a driving force of the American Revolution.

ANSWER: the **Sons of Liberty**

002-09-3-03108

9. Low acetylcholine (uh-SEE-till-KO-leen) levels in the brain are thought to cause this disease, in which tau protein forms "tangles." It may also be caused by accumulation of amyloid (AMM-uh-loyd) beta plaques. This disorder is often managed with the drug memantine (muh-MAN-teen). This disease kills neurons of the hippocampus (HIP-oh-KAM-pus), causing dementia. For 10 points, name this neurodegenerative (NUR-oh-dee-JEN-ur-uh-tiv) illness that leads to memory loss and decreased cognitive ability in the elderly.

ANSWER: **Alzheimer's** disease

032-09-3-03109

10. This woman was the mother of Henry VIII's first wife, the hard-to-divorce Catherine. This queen's private confessor forced Marranos (mah-RAHN-os) and Moriscos (more-EES-cos) to undergo an auto-da-fe (auto-dah-fey). She worked with her husband to capture Grenada and complete the Reconquista (reh-con-KEE-stuh). Torquemada (TOR-kay-MAH-dah) revived the Inquisition under her rule, which also saw the unification of the two largest Spanish kingdoms. For 10 points, name this queen of Castile who created modern Spain by marrying the king of Aragon, Ferdinand.

ANSWER: **Isabella** I of Castile [or **Isabella** of Castile; or **Isabella** the Catholic; or **Isabel** la Catolica]

027-09-3-03110

11. Ken Ribet proved the Epsilon conjecture by proving that it could be translated into a non-modular elliptical curve, and therefore any counterexample would also serve as such for the Taniyama-Shimura (taa-nee-YAA-maa she-MOO-rah) Conjecture. This theorem was eventually proven by Andrew Wiles. For 10 points, name this theorem that states that it is impossible to separate any power higher than the second into two like powers.

ANSWER: **Fermat's Last** Theorem [or **Fermat's Great** Theorem; prompt on **Fermat's theorem**]

002-09-3-03111

12. One character in this novel has his flesh eaten by janissaries (JAH-nuh-ser-eez). Another character, Jacques the Anabaptist, drowns in the harbor of Lisbon during an earthquake. The protagonist of this work was long tutored at Castle Thunder-Ten-Tronckh by a caricature of Leibniz (LYBE-nitz) named Dr. Pangloss. For 10 points, name this French satire of "optimism," written by Voltaire.

ANSWER: **Candide**: Or, *Optimism* [or **Candide**: *Ou, L'Optimisme*]

022-09-3-03112

13. The Supreme Court ruled that this organization was Constitutional in the *Ashwander* case. Republican Presidential nominee Wendell Wilkie first came to prominence by crusading against this agency. It aided Alcoa in producing aluminum for warplane parts by building the Fontana Dam, and it had an administrative center in Muscle Shoals, Alabama. For 10 points, name this New Deal organization that provided jobs by constructing hydroelectric plants in the namesake river valley.

ANSWER: **Tennessee Valley Authority** [or **TVA**]

020-09-3-03113

14. This organ is attached to the body cavity by the falciform (FALL-sih-form) ligament. Gluconeogenesis (GLUE-ko-NEE-oh-JEN-uh-sis) and cholesterol synthesis occur in this organ. One of two major blood vessels connected to this organ is the portal vein. The gallbladder stores bile produced by this larger organ. Failure of this organ causes skin and eyes to yellow in a condition called jaundice (JOHN-diss). For 10 points, name this organ afflicted by diseases like hepatitis and cirrhosis (sih-ROW-sis), which filters poisons from the body.

ANSWER: **liver**

032-09-3-03114

15. Members of this band shared a house at 710 Ashbury Street in San Francisco. This group included the song "Playing in the Band" and a cover of "Johnny B. Goode" on their "Skull and Roses" album. The surviving members of this band dropped one word from its name and played at an inaugural ball for President Obama. They are better known for songs such as "Truckin'" which attracted legions of namesake fans to their shows. For 10 points, name this rock group that included Bob Weir, Phil Lesh, and Jerry Garcia.

ANSWER: The **Grateful Dead**

045-09-3-03115

1A. The Sorbonne is located in this neighborhood, which is known for its student population and its many bistros and shops. What is this section of Paris that gets its name from the international language of learning that was widely spoken there by students in the Middle Ages?

ANSWER: the Latin Quarter [or Quartier Latin]

1B. Their movement forms drumlins and moraines. Name these large, mobile, perennial ice masses.

ANSWER: glaciers

2A. Name the 2009 movie in which a supersoldier played by Sam Worthington infiltrates the blue-skinned Na'vi (nah-VEE).

ANSWER: Avatar

2B. A dog representing fidelity, a circular mirror showing the artist, and a very large hat are elements of what painting by Jan van Eyck (YON von IKE) of an Italian man's nuptials?

ANSWER: *The Arnolfini Wedding* [or *The Arnolfini Marriage*; or *Giovanni Arnolfini and his Bride*; or any reasonable answer containing the name "Arnolfini" and an indication of a marriage]

3A. Emily Dickinson used this technique when she rhymed "sun" and "gone" in the poem "A narrow fellow in the grass." Name this variety of rhyme, in which final syllables are consonant with each other, as contrasted with the identical sounds of full rhyme.

ANSWER: slant rhyme [or oblique rhyme; or off rhyme; or half rhyme; or near rhyme]

3B. President Obama plans to send an additional thirty thousand troops to what country as part of a long-term plan to withdraw from it entirely?

ANSWER: Islamic Republic of Afghanistan [or Jomhuri-ye Eslami-ye Afghanestan]

4A. This is a 10-second calculation question. Convert 29/40 to decimal notation.

ANSWER: 0.725

4B. This is a 10-second calculation question. Find the slope of the line through the points (1, 6) and (9, -2).

ANSWER: -1

5A. Name the alphabet used to write the Slavic languages of Russian, Ukrainian, and Bulgarian.

ANSWER: Cyrillic alphabert

5B. It is the amount of energy needed to separate a crystal into gaseous ions. Name this quantity, that is symbolized "U."

ANSWER: lattice energy

6A. This is a 20-second calculation question. A jogging trail is two and a third miles long, and nine-tenths of it is paved. How much of the trail is paved?

ANSWER: **21/10** miles [or **two and a tenth** or **2.1**]

6B. This is a 20-second calculation question. Evaluate the expression $8x^3 - 7xy^2$, if $x = -2$ and $y = 1$.

ANSWER: **-50**

7A. This man has a namesake zeta function. Name the German mathematician whose namesake sums approximate the area under a curve and can be calculated by right, left, middle, or trapezoidal methods.

ANSWER: Georg Friedrich Bernhard **Riemann** (REE-mon)

7B. She wrote the song "Speechless" to ask her father to get surgery and made a bizarre, racy music video for "Bad Romance." Name this pop singer of "Poker Face."

ANSWER: **Lady Gaga** [or Stephanie **Germanotta**]

8A. Identify the fourteen-line poetic form, with a Petrarchan variety and Shakespearean variety, that is used for such poems as "Shall I compare thee to a summer's day?"

ANSWER: **sonnet**

8B. In this book, Scout's father defends a black man accused of rape. Name this work by Harper Lee in which Atticus instructs Scout never to perform the title action.

ANSWER: **To Kill A Mockingbird**

9A. This is a 30-second calculation question. A teacher counts the homework grade as half a test, and the final exam as one-and-a-half times a test. If a student has a homework grade of 54, three test grades of 73, 95, 91, and a final exam grade of 78, what is that student's grade?

ANSWER: **80.6**

9B. This is a 30-second calculation question. Find the volume of a rectangular box if the length is 4.5, the width is equal to 8, and the height is the product of the length and the width.

ANSWER: **1296**

10A. This vessel has ascending and descending portions. Name this largest artery in the body, which splits into two smaller arteries in the abdomen.

ANSWER: **aorta**

10B. What anthropologist wrote *Growing Up in New Guinea* but may be most famous for a work that Derek Freeman claimed was based on the lies of Manus adolescents, *Coming of Age in Samoa*?

ANSWER: Margaret **Mead**

1. One poem by this author repeats the line "come live with me and be my love." This author of "The Passionate Shepherd to His Love" wrote a play about a figure who addresses a speech to Helen of Troy, asking "was this the face that launch'd a thousand ships?" In another play by this author, Barabas falls into a boiling cauldron. For 10 points, name this English dramatist who wrote *Tamburlaine*, *Doctor Faustus*, and *The Jew of Malta* before dying in a tavern brawl.

ANSWER: Christopher **Marlowe**

020-09-3-03117

2. The winning side of this battle had just been defeated at Artemesium (arr-tuh-MEEZ-ee-um). The commander who won this battle was later ostracized and forced to work for the son of its loser. That winning commander, Themistocles (thuh-MIST-oh-cleez), fulfilled a prophecy of achieving victory through wooden walls, by using the superior maneuverability of his force's triremes (TRY-reemz) to defeat the fleet of King Xerxes (ZERK-sees). For 10 points, name this 480 BCE naval battle which resulted in the defeat of the Persian fleet by the Greeks.

ANSWER: Battle of **Salamis**

059-09-3-03118

3. When this man was nine years old, his father Yesugei (YEH-sue-GUY) was poisoned by a rival clan. This man returned to power in alliance with Toghril (TOE-gril) but then turned on Toghril to claim the throne. This grandfather of the Middle Eastern conqueror Hulagu (hoo-LAH-goo) was succeeded as leader of the empire he founded by his son named Ogedei (OH-guh-die). For 10 points, name this creator of the Mongol Empire and grandfather of Kublai, who served as the first khan.

ANSWER: **Genghis** Khan [or **Temujin**; prompt on Great **Khan**]

023-09-3-03119

4. For one year, this god served as shepherd to King Admetus (odd-MEE-tus) as penance for killing the Cyclops. After this god won a contest judged by the Muses, he flayed Marsyas (MAR-see-ahs) for his audacity. This god slew a dragon that lived in the caves of Mount Parnassus after it chased his mother. This slayer of Python is sometimes credited with inventing the lyre due to his patronage of music. His mother, Leto, also gave birth to his twin Artemis. For 10 points, name this Greek god who is often distinguished from Helios but was a god of the Sun.

ANSWER: **Apollo** [or **Phoebus**]

027-09-3-03120

5. This quantity is increased in the proximity effect, which results from current crowding in materials that are close together. This quantity is proportional to the length of a wire and inversely proportional to the cross section of a wire. The "sea of electrons" effect makes this quantity low in metals. It is equal to potential over current according to Ohm's (OMEZ) Law, and it is effectively zero in superconductors. For 10 points, identify this measure of a material's opposition to the flow of steady current through it.

ANSWER: electrical **resistance**

032-09-3-03121

6. This man's first symphony was composed in the style of Haydn and thus nicknamed the "Classical." He wrote an opera where Fata Morgana curses a prince to be enamored with fruit entitled *The Love For Three Oranges*. This composer used the timpani and bass drum to depict gunshots, an oboe to represent a duck, and strings and French horns to signify the two title characters. For 10 points, name this composer of *Peter and the Wolf*.

ANSWER: Sergei Sergeyevich **Prokofiev**

003-09-3-03122

7. At one point in this work, the helmsman Palinurus (PAH-lee-NOR-us) drifts off to sleep, falls into the ocean, and drowns. The good friends Nisus (NEE-suss) and Euryalus (yurr-ee-AH-luss) appear in both the raid in Book Nine and the funeral games in Book Five. This poem ends with the hero killing Turnus to avenge the death of Pallas. Earlier, its hero's departure from Carthage causes Dido to kill herself. For 10 points, identify this epic Latin poem, by Virgil, which depicts a Trojan refugee coming to Italy.

ANSWER: the **Aeneid** (uh-NEE-id)

019-09-3-03123

8. This city has eleven Michelin three-star restaurants, more than any other in the world. It is divided into twenty-three wards, and was the site of Frank Lloyd Wright's Imperial Hotel, which survived the 1923 earthquake here. This city's most expensive department stores are in Ginza. It is served by the Narita Airport and was once called Edo. The most populous city on Honshu is, for 10 points, what capital of Japan?

ANSWER: **Tokyo**

034-09-3-03124

9. This element combines with nitrogen and sulfur to form compounds largely responsible for acid rain. Four of these atoms combine with chlorine to form the perchlorate ion. This element's triatomic version forms a layer which protects the Earth from ultraviolet radiation and is known as ozone. Its diatomic form used in respiration. For 10 points, name this element which combines with two hydrogen atoms to form water.

ANSWER: **oxygen** [or **O**]

059-09-3-03125

10. This painter depicted treasures lining the floor and soldiers stabbing writhing concubines as a monarch in white and gold reclines on a bed in his *The Death of Sardanapalus*. This artist also executed a work that includes dead revolutionaries on the ground and a boy waving two pistols. Central to that painting is a bare-breasted woman who holds a musket in one hand and the tricolored French flag in the other. For 10 points, name this French painter of *Liberty Leading the People*.

ANSWER: Eugene **Delacroix** (del-uh-CWAH) [or Ferdinand Victor Eugene **Delacroix**]

032-09-3-03126

11. This man came in second to John Bell while running for the sole presidential nomination of the Constitutional Union Party. He was soon removed from office as governor for opposing secession. After a presidential term that he did serve, this man was succeeded by Mirabeau (MEER-uh-boh) Bonaparte Lamar. He led an army to victory at San Jacinto, the battle that secured Texan independence. For 10 points, name this two-term President of Texas and namesake of that state's most populous city.

ANSWER: Samuel **Houston**

003-09-3-03127

12. This person attempted to reconcile his religion with neighboring clans by incorporating the gods Manat, al-Uzza, and al-Lat. He rode the legendary flying horse Buraq during his Night Journey to Jerusalem. His wives included Khadija (kah-DEE-juh) and Aisha (eye-EE-shuh), whose father Abu Bakr (BEK-ur) became this man's first successor. This prophet repudiated the Satanic Verses and embarked on the first hajj (HAHJ) to Medina from his home town of Mecca. For 10 points, name this prophet who founded Islam.

ANSWER: Ab? al-Q?sim **Muhammad** ibn 'Abd All?h ibn 'Abd al-Muttalib ibn H?shim

004-09-3-03128

13. The title character of this novel is left a sizeable amount of money by the copper magnate Dan Cody. Elsewhere, the gangster Meyer Wolfsheim claims credit for fixing the 1919 World Series. Its narrator goes out with the professional golfer Jordan Baker. The death of Myrtle in a car crash causes George Wilson to shoot the title character in his swimming pool. For 10 points, name this novel in which Nick Carraway and Daisy Buchanan attend parties in West Egg, a critique of Jazz Age excess by F. Scott Fitzgerald.

ANSWER: *The **Great Gatsby***

015-09-3-03129

14. The lifecycles of these phenomena are driven by the movement of air by water called the "rear flank downdraft." These phenomena occur in an accessory cloud that extends beneath a cumulonimbus known as a wall cloud. They are given a rating from zero to five depending on their severity according to a scale named for Pearson and Fujita. They are most prevalent in a region occupying the Great Plains and Midwest, known as their namesake "alley." For 10 points, name these destructive, rotating columns of air that spring from funnel clouds.

ANSWER: **tornadoes**

058-09-3-03130

15. The diverse Black Army of this country was led by king Matthias Corvinus. It was represented in the 1848 revolutions by Lajos Kossuth (LIE-oce ko-SOOT) and was redrawn after World War I by the Treaty of Trianon. This country was briefly Communist in 1919 under Béla Kun; later, János Kádár (YAH-nohsh KAH-dahr) came to power after Soviet tanks rolled into this country in 1956. For 10 points, name this Central European country that was colonized by the Magyar people and, in 1867, became part of a "dual monarchy" with Austria.

ANSWER: Republic of **Hungary** [accept **Magyar** Köztársaság before "Magyar" is read]

020-09-3-03131

1. This man wrote an overture incorporating the song *Gaudeamus Igitur* (GAW-deh-AH-mus I-gi-TER) that is often contrasted with his *Tragic Overture*. A czardas (ZAR-das) inspired the fifth of his *Hungarian Dances*. This composer of the *Academic Festival Overture* used the Lutheran bible for the text of his *German Requiem*. For 10 points, name this composer of a namesake lullaby.

ANSWER: Johannes **Brahms**

059-09-3-03132

2. In this process, the breakdown of a structure made of tubulin (TOO-byoo-lin) leads to the creation of asters. A structure sometimes known as the equatorial plate is formed during the middle part of this process. In this process, spindle fibers attach to kinetochores (kin-ET-oh-cores) on centromeres (SEN-tro-MEERS) and then elongate to help separate sister chromatids (KRO-muh-tids). For 10 points, name this process followed by cytokinesis (site-oh-kin-EE-sis) in which a eukaryotic (YOU-carry-aht-ic) cell divides into two daughter cells.

ANSWER: **mitosis** [accept **prophase** before "plate" is read]

023-09-3-03133

3. This individual disintegrated a diamond to form carbon dioxide with the same weight in carbon, thus discovering that diamonds were an allotrope of carbon. That discovery helped him conceive of a theory of conservation of mass. This scientist named the gas oxygen after repeating Joseph Priestly's experiments with so-called "dephlogisticated (DEE-flaw-JIS-tick-AY-ted) air." For 10 points, name this French chemist executed by the French Revolution, nicknamed "the father of chemistry."

ANSWER: Antoine **Lavoisier** ["LAH-vu-ah-SEE-eh"]

059-09-3-03134

4. In one work by this man, the murdered Donald Willsson tries to expose corruption in Personville, Montana. That novel by this man is about the Continental Ops and is titled *Red Harvest*. Julie Wolf's murder is investigated by Nick and Nora Charles in his *The Thin Man*. Another of this man's characters has the client Brigid O'Shaughnessy, who tries to seduce the detective Sam Spade. For 10 points, name this author of the "hard boiled" novel *The Maltese Falcon*.

ANSWER: Samuel Dashiell **Hammett**

027-09-3-03135

5. The personification of fresh waters in this kingdom's mythology, Apsu (OP-soo), was defeated and used as a foundation for a temple by Ea (EY-uh) or Enki. The Tablet of Destinies was affixed to Kingu, the son of one monster in this mythology. That monster's defeat was told in the Enuma Elish (EH-noo-muh eh-LEESH), the creation myth of this kingdom, which ends in Tiamat's (TEE-uh-motz) defeat by Marduk (MAR-dook), for whom a ziggurat was built in this kingdom's namesake capital. The Ishtar Gate is located in, for 10 points, what Mesopotamian city, the center of an empire once ruled by the lawmaker Hammurabi?

ANSWER: **Babylon** [accept word forms]

003-09-3-03136