

1. It refers to Amos 5:24 with the line, "we will not be satisfied until justice rolls down like waters and righteousness like a mighty stream." Its first line alludes to Lincoln's Gettysburg address referencing the "five score years" that had passed since the Emancipation Proclamation. What is this speech delivered at the Lincoln Memorial on August 23, 1963 by Martin Luther King Jr.?

Answer: "I Have a Dream"

2. This character is described as having a "tetrahedron nose," "horseshoe mouth," and a huge wart that forces his right eye closed. He is elected Fools Pope in 1482 and shows devotion to Claude Frolo early on before he meets Esmeralda. Deaf from ringing the bells in inside the cathedral, who is this Victor Hugo title character known for his bad posture?

Answer: Quasimodo the Hunchback of Notre Dame (Accept either)

3. Math Calculation: Alfonse wants to completely fill half of one side of a standard sheet of paper with doodles and wants to know exactly how many square inches of doodles he will need to fill that half page. Since standard paper is 8 1/2 by 11 inches, how many square inches are there in half a page?

Answer: 46.75 or 46 3/4 square inches

4. One of the constellations of the zodiac, the Greeks believed that this creature bit the toe of Heracles as he was battling the hydra so that he would be distracted at the request of Hera. Heracles crushed it, and Hera placed it into the night sky but didn't give it any bright stars because it hadn't succeeded. What is this constellation which shares its name with an abnormal growth of cells and is known as "the crab?"

Answer: Cancer

5. Seventy-five percent of this organ's blood supply comes from the portal vein, which transports digested nutrients from the intestines, hormones from the pancreas, and old red blood cells from the spleen. The other twenty-five percent comes from the hepatic artery. What is this spongy, reddish brown organ that produces bile, aids in metabolism, and is the largest internal organ in the body?

Answer: Liver

6. This school's gym, located near the parking lot, is big enough to hold four volleyball games playing simultaneously and is "the only room in town big enough for a dance." Located "just off the highway," it consists of a "collection of matching houses made with maroon-colored bricks," and biology class is in Building 4. This school has 358 students once Bella arrives, and one of them is a 100 year-old vampire, Edward. What is this school in which much of *Twilight* takes place?

Answer: Forks High School

7. The inventor of this machine was a recent Yale graduate who moved to Georgia to become a private tutor before going to law school. Using a wire screen and small hooks turned by a hand crank, it could clean 50 pounds of fiber in a day. What was this invention by Eli Whitney that helped change the economy of the south by allowing the mass production of a certain crop?

Answer: Cotton Gin or Cotton Engine

8. Dummy ones of these words are used when a sentence requires a subject, as in the sentence "It is raining," but does not require an antecedent. More common types include "relative" ones which connect phrases, and "interrogative" ones which forms questions. "Personal" ones stand in the place of names of people or things. What is this part of speech that includes you, it, them, and me?

Answer: pronouns

9. This composer wrote his "Prelude Number 15" while visiting Majorca and may have written it to reflect the raindrops he heard there while vacationing with his lover Amandine Dupin, better known as George Sand. Known for his piano sonatas, etudes, and polonaises, who is this Polish composer who wrote the "Minute Waltz"?

Answer: Frederic Chopin

10. These phenomena, which derive from the Spanish word for "thunderstorm," often develop when cloud structures, known as "supercells," are present in the sky. Measured by the Fujita scale, these phenomena usually spin counterclockwise in the northern hemisphere due to the Coriolis Effect. What are these phenomena also known as cyclones and twisters?

Answer: Tornadoes

HALFTIME (2 Minutes)

11. First published in January of 1845, the narrator is a young scholar interested in "fogotton lore." Throughout this poem's eighteen six-line stanzas, the title character sits atop a bust of Pallas, and repeats the same word to all of the narrator's questions even those about his love, Lenore. What is this Edgar Allen Poe poem in which a dark visitor repeats "Nevermore"?

Answer: "The Raven"

12. 2008 saw a record 3 million of them, but experts are concerned that the so-called "ghost inventories" of banks might push that number even higher in the future. The moratorium on them by Fannie and Freddie Mac in November may have helped reduce the number of them. What is this legal proceeding in which an owner's right to a real estate property is terminated because the owner is unable to pay his or her mortgage payments?

Answer: Home Foreclosures (prompt on mortgage sales or defaults or equivalents)

13. It was commanded by Medina Sedonia, and its advance was in retaliation for support of Protestants in the Netherlands, the execution of Mary Stuart, and numerous English raids such as Sir Francis Drake's destruction of the fleet at Cadiz. What was this fleet of 130 ships that in 1588 was routed by storms and the English, helping to end Spain's domination of the seas?

Answer: Spanish Armada

14. The chapter titles in the first part of this book are references to *Pilgrim's Progress*, and each of the title characters use their "guidebooks" to overcome their character flaws. One character sells her hair so her mother can afford to visit her sick father and later refuses to marry Laurie. Following the lives of the four March sisters, what is this novel by Louisa May Alcott?

Answer: Little Women

15. Its name comes from the Greek for "Lazy One" because of its inability to react with other elements. Henry Cavendish predicted its existence when he removed nitrogen and oxygen from air. The most common noble gas on earth, what is this gas commonly used in laser eye surgeries, number 18 on the periodic table with chemical symbol AR?

Answer: Argon

16. This river is naturally shallow averaging only about 27 feet in depth from its origin at Point State Park in Pennsylvania where the Allegheny and Monongahela converge to Cincinnati after which it deepens because of artificial dams until it reaches its widest and deepest point near Louisville, Kentucky. What is this large tributary of the Mississippi River?

Answer: Ohio River

17. Math calculation. Helga wishes to construct a rectangular pen for her numerous flightless birds. Assuming she uses a sufficiently long brick wall as one side of the pen and has 240 feet of fencing at her disposal, what is the maximum rectangular area in square feet she could enclose? To solve the problem divide the fencing by the three sides that need to be fenced then square the result.

Answer: 6400 square feet

18. William Still is often known as the father of it, and he wrote about the work he did for it from his home in Philadelphia in 1872. At its height between 1810 and 1850, it helped between six and thirty thousand people. Quakers, abolitionists, and former slaves acted as "stationmasters" and conductors along the route. What was this informal network of secret routes meant to help slaves escape to free states and Canada?

Answer: Underground Railroad

19. This painting was stolen in 1994 and again in 2004 but went back on display in May 2008. Its painter wrote of it "there was blood and tongues of fire above the blue-black fjord," and it represents the fear of losing one's mind and has become a cliché for high anxiety. What is this agitated painting featuring a twisted figure with its eyes and mouth open wide in horror by the Norwegian artist Edvard Munch?

Answer: The *Scream*

20. Different than lenses, Isaac Newton discussed the dispersion of light caused by these objects in his book "Optiks," and these objects cause light to refract because the speed of light changes as light travels from one medium to another. What is the general name of these objects that are often triangular with rectangular sides and made of glass, as seen on the cover of Pink Floyd's album, The Dark Side of the Moon?

Answer: Prisms

1. Answer the following about the science of Gatorade.
 - A. Gatorade contains these ionic substances which carry electrical impulses responsible for muscle contractions.
Answer: Electrolytes
 - B. Gatorade contains two ionic elements that replace electrolytes that the body loses through sweat. Name either of those elements.
Answer: Potassium or Sodium (K⁺ or Na⁺)
 - C. When exercising, Gatorade helps relieve this pair of organs that regulates electrolyte concentrations in the blood.
Answer: Kidneys

2. While most artistic masterpieces are found only in museums, identify the following popular artists whose works are often used to decorate the homes of ordinary people.
 - A. Many homes contain works and replicas of works by this American artist known for his stained glass windows and lamps. His father Charles founded the jewelry company that bears the family name.
Answer: Louis Comfort Tiffany
 - B. This German Renaissance painter and printmaker created the *Apocalypse* woodcuts, but his brush and ink work *Study of Praying Hands* has been much copied in prints and sculptures including a 60-foot sculpture at Oral Roberts University.
Answer: Albrecht Durer
 - C. It is estimated that one in twenty American homes contain some of this California artist's works. His bland paintings and prints depicting idyllic Americana and Christmas scenes are sold in department stores and even on QVC.
Answer: Thomas Kinkade

3. Nominated for thirteen Oscars, answer the following about a certain movie.
 - A. This 2008 movie recounts the story of a man who is born old and grows younger throughout his life.
Answer: The Curious Case of Benjamin Button (prompt on "Benjamin Button")
 - B. *The Curious Case of Benjamin Button* stars this actor who also starred in *Mr. and Mrs. Smith* and *Ocean's Eleven*.
Answer: Brad Pitt
 - C. The movie is based on this author's 1921 short story "The Curious Case of Benjamin Button" which was published in his anthology *Tales of the Jazz Age*.
Answer: F. Scott Fitzgerald

4. Mount Everest is known as the highest mountain on earth, but many other mountains claim to be taller...
 - A. This dormant volcano in Hawaii is over 33,000 feet tall when measured from its base on the bottom of the Pacific Ocean.
Answer: Mauna Kea
 - B. Because Everest sits on a high plateau, this mountain in Alaska—the tallest in North America—is taller when you subtract the additional height given by the plateau.
Answer: Mount McKinley
 - C. Since the Earth bulges at its center, the top of Mount Chimborazo in this South American country is the farthest point from the center of the Earth.
Answer: Ecuador

5. Answer the following about the Battle of Gettysburg for 10 points each.
 - A. Often considered the turning point of the Civil War, in what state was the battle fought?
Answer: Pennsylvania
 - B. This Confederate general made a bold move by marching his Army of Northern Virginia into Pennsylvania, but ultimately lost the battle to General George Meade.
Answer: Robert E. Lee
 - C. Lee's loss is often blamed on this doomed infantry assault on General Meade's position on Cemetery Ridge named for the major general who led it.
Answer: Pickett's Charge

6. Algebra comes from an Arabic word for reunion, but that's not important to know to answer the following questions about algebraic expressions.

- A. The equation $Y = mx + b$, the standard form for a line on a graph, is given this name.

Answer: Slope-intercept

- B. $ax^2 + bx + c = 0$ is this kind of equation. Any polynomial equation with a degree of two is given this name.

Answer: Quadratic equation

- C. The "m" in the slope-intercept equation and the "a" and "b" in the quadratic equation are examples of this term which gives the number of a variable in an algebraic equation.

Answer: Coefficients

7. Identify the following models that display the flow of energy in a given environment.

- A. This model shows how organisms are linked together with producers at the bottom and large consumers at the top.

Answer: Food Chain

- B. This is a better model for displaying feeding relationships. It depicts overlapping and interconnected food chains that can move in several directions.

Answer: Food Web

- C. Instead of focusing on the consumption of food, this model shows the amount of energy available at each feeding level of an environment which gradually decreases from the bottom to the top.

Answer: Energy Pyramid

8. Identify the following characters from Homer's epic *The Odyssey*.

- A. Give the Greek name for the hero of the work who takes 10 years to reach home following the Trojan War.

Answer: Odysseus (Do not accept Ulysses)

- B. Odysseus spends seven years on the island of this sorceress who wanted to make him her immortal husband.

Answer: Calypso

- C. Odysseus eventually returned home to Ithaca and reunited with this woman, his ever-faithful wife and the mother of their son Telemachus.

Answer: Penelope

9. Identify the following novels each of which was at one time the best-selling book in American history.

- A. Subtitled "Life Among the Lowly," this Harriet Beecher Stowe novel had a profound effect on American attitudes toward slavery.

Answer: Uncle Tom's Cabin

- B. Subtitled "A Tale of the Christ," this Lew Wallace novel surpassed *Uncle Tom's Cabin* in part because readers loved its climactic chariot race.

Answer: Ben-Hur

- C. Almost titled "Tomorrow is Another Day," this Margaret Mitchell Civil War drama easily surpassed *Ben-Hur*, selling 30 million copies to date.

Answer: Gone with the Wind

10. Identify the following names associated with the history of a certain country for ten points each.

- A. This country straddles both Europe and Asia, and its capital is at Ankara.

Answer: Republic of Turkey

- B. Before Kemal Attaturk created modern Turkey, it was the seat of this Muslim empire with its capital at Istanbul, which was then called Constantinople.

Answer: Ottoman Empire (Prompt on Turkish Empire)

- C. Before being taken over by the Ottoman Turks the land now known as Turkey was the center of this long-lasting empire also known as the Eastern Roman Empire and known for its religious art.

Answer: Byzantine Empire (Accept Byzantium)

11. Answer the following about a classic piece of music written by a Russian composer.
- A. A composition featuring music and narration, this piece tells the story of a Soviet "Young Pioneer" and his interactions with several animals in a forest near his grandfather's home.
Answer: Peter and the Wolf
- B. This Russian composer wrote *Peter and the Wolf* as well as the ballets *Cinderella* and *Romeo and Juliet*.
Answer: Sergei Prokofiev
- C. Each character in *Peter and the Wolf* is assigned its own musical instrument. What double-reed woodwind instrument represents the grandfather?
Answer: Bassoon
12. The 2008 NFL season featured several surprising rookie quarterbacks.
- A. This rookie from Delaware led the Baltimore Ravens deep into the playoffs.
Answer: Joe Flacco
- B. The third pick in the 2008 draft this rookie from Boston College lead the Atlanta Falcons to the playoffs and was named offensive rookie of the year.
Answer: Matt Ryan
- C. This rookie from Coastal Carolina scored 21 touchdowns and in his 11 starts for the Kansas City Chiefs.
Answer: Tyler Thigpen
13. Answer the following about cute little organisms that live together in close relationships.
- A. A special mucus on this orange and white striped fish keeps it from being stung while living in a sea anemone and in return it helps keeps other fish from eating the anemone.
Answer: Ocellaris Clownfish (Do not accept Nemo)
- B. This nearly blind crustacean sometimes digs a hole and allows a goby fish to live with it. In return the goby fish warns this crustacean when a predator is near.
Answer: Shrimp
- C. These two inter-species relationships are given this term which refers to an interaction between two species which benefits both organisms.
Answer: Mutualism
14. Answer the following about an informal literary group called The Inklings for ten points each.
- A. The Inklings met for nearly two decades in the 1930s and 40s in this town, home to the oldest English-speaking university in the world.
Answer: Oxford, England, UK
- B. The Inklings often met in this author's study at Oxford, and he presented *Mere Christianity* and *The Screwtape Letters* to the group but wrote about Narnia a few years later.
Answer: C. S. Lewis (Clive Staples)
- C. This friend of Lewis and fellow Inklings often brought excerpts from his *Lord of the Rings* trilogy for the group to discuss.
Answer: J. R. R. Tolkien (John Ronald Reuel)
15. Answer the following about the history of agriculture in the United States for 10 points each.
- A. English colonists in North America called every kind of grain "corn," so the crop known today as corn was commonly known by this Native American word.
Answer: Maize
- B. In 1837 this American blacksmith living in Grand Detour, Illinois revolutionized farming by inventing and marketing the first successful steel plow.
Answer: John Deere
- C. The Monsanto Company patented this powerful herbicide which contains glyphosate in the 1970s, and created genetically engineered crops that are tolerant to the herbicide known as "ready" crops.
Answer: Roundup

16. It's grammar time! Answer the following about verbs and sentence construction.
- A. This kind of verb does not require an object. An example is the verb "sleep" since you cannot "sleep" something.
Answer: Intransitive
- B. Writers should stay away from using this voice in which the subject is the target of the action rather than the one doing the acting. In the sentence "The cheese was eaten by the mouse," "was eaten" is an example of this kind of verb.
Answer: Passive verbs or passive voice
- C. In English it is possible to "split" this basic form of a verb. In Spanish these verbs commonly end in "A-R" and in French they often end in "E-R."
Answer: Infinitives
17. Answer the following related math questions. You have 15 seconds per part.
- A. Using exponents what is the prime factorization of 147?
Answer: 3×7^2 (Three times seven squared)
- B. What is the greatest common factor of 126 and 210?
Answer: 42
- C. What is the greatest common factor of $64m^2$ and $80m^5$?
Answer: $16m^2$ (sixteen m squared)
18. Identify the following flower parts for ten points each.
- A. Typical flowers have six of these male organs which consist of a long filament topped with pollen sacs.
Answer: Stamen
- B. The terminal part of the stamen, this is where pollen is produced.
Answer: Anther
- C. When the flower is in the bud these leaves protect the more delicate parts within. They are typically green and lie under the petals and are collectively referred to as the calyx.
Answer: Sepals
19. Identify the following Greek writers and philosophers from their works for ten points each.
- A. He is known for his philosophical dialogues often featuring his mentor Socrates including *The Apology* and *the Republic*.
Answer: Plato
- B. A student of Plato's, this Greek investigated every known field of knowledge as can be seen in such books as *Ethics*, *Poetics*, *Logic*, and *Politics*.
Answer: Aristotle
- C. This Greek author's plays *Antigone* and *Oedipus the King* were considered by Aristotle to be the supreme examples of tragedy.
Answer: Sophocles
20. Following World War II the United States and the Soviet Union engaged in a 50 year tension filled standoff.
- A. What name is given to that conflict in which the two superpowers did not engage in direct military action against each other although it seemed imminent?
Answer: The Cold War
- B. Perhaps the closest the two powers came to outright nuclear war occurred when the USSR began constructing missile bases on this island nation in 1962.
Answer: Cuba
- C. The Soviet Union began to crumble when this wall separating East and West Germany fell on November 9, 1989.
Answer: Berlin Wall