

1. It may have originally been a feast day intended to honor two men martyred by Emperor Claudius. Its current traditions began to take hold in the nineteenth century, and the official "feast day" designation was dropped by the Church in 1969. FTP name this holiday, celebrated the day before the Roman holiday of Lupercalia, which explains why, instead of sitting here with a buzzer in your hand, you should really be with a significant other.

Answer: St. \_Valentine's\_Day (accept \_February 14\_ before Lupercalia)

2. This experiment was originally conceived in 1921 and first carried out in Frankfurt in 1922. A beam of unpolarized atoms is passed through a non-homogeneous magnetic field, after which the atoms split into several different beams according to their spin. What is, FTP, the name of this experiment that demonstrated the quantization of spin?

Answer: \_Stern-Gerlach\_ experiment

3. He took to writing plays in 1913 after a stay in a tuberculosis sanatorium. His last masterpiece, an autobiographical tragedy, was performed posthumously in 1956. He is the only American dramatist ever to win a Nobel Prize for literature, which he did in 1936. FTP, name the man who brought Aeschylus to post-Civil War New England in "Mourning Becomes Electra."

Answer: Eugene \_O'Neill\_

4. Led by Michel Camdessus and Stanley Fischer, it deals in units of Special Drawing Rights, or SDRs, with 1 SDR equal to about \$1.35 in U.S. currency as of August 1997. It began operations in April 1946, with a membership of 39 nations and currently boasts a total of 182 members. FTP, name this organization, which recently spent \$32 billion of its reserves to head off crises in Thailand, Indonesia, and South Korea.

Answer: \_International Monetary Fund\_ (accept \_IMF\_)

5. Invented by Pearl B. Wait, a carpenter from New York, it sold poorly and was purchased for \$450 by Wait's neighbor, Orator Francis Woodward, in 1899. Sales jumped soon after, and by 1925 it was a hit when mixed with cinammon, cream cheese, and pear halves in syrup. The diet version lasted only from 1969 to 1970, but the sugar-free kind, introduced in 1984, is still popular. FTP, name this 101-year-old pride of LeRoy, New York, whose spokesmen have included Jack Benny and Bill Cosby.

Answer: \_Jell-O\_

6. Born in 1904, this man was close friends with Luis Bunuel, Spain's first great film director, and collaborated with him on two early films. However, he is better known for his painting. He sought throughout his life to attack established rules and expectations, a philosophy evident in his art, which combines hallucinatory imagery with realistic detail. FTP, name this man, a leading surrealist, whose most famous work is "The Persistence of Memory."

Answer: Salvador \_Dali\_

7. Born in 1079, he was a monk at Saint-Denis, where he wrote the first version of his Theologica. A philosopher and logician, he was later condemned by Innocent II and battled with Bernard of Clairvaux. FTP name this French philosopher, author of a treatise on logic and language called Sic et Non, who is often remembered today because he was castrated after Heloise's uncle learned that she had married him.

Answer: Peter \_Abelard\_

8. Raphael Robinson in 1952 for five numbers from 521 to 2281, Edouard Lucas in 1876 for n equals 127, Euler in 1750 for n equals 31, the GIMPS project for three numbers since 1996, and high school students Lauren Nickel and Curt Noll in 1978 for n equals 21701. All, FTP, discovered what kind of number of the form 2 to the n minus one, named for a French monk who didn't independently discover a single one?

Answer: \_Mersenne prime\_s (prompt on \_Mersenne number\_s, as those are of the form 2^n-1 but are not necessarily prime)

9. The hero of this novel says, "I had been here before; I knew all about it," as he gazes at the magnificent English country house, about to be turned into a WWII army encampment. The novel

then retraces the hero's involvement with the Catholic Marchmain family, particularly Sebastian and Julia Flyte, during the years between the wars. FTP, what Evelyn Waugh novel tells the bittersweet story of Captain Charles Ryder?

Answer: Brideshead Revisited

10. Its seven major stratigraphic units show evidence of continuous rift-valley fault movements and a semiarid climate. Located in the eastern Serengeti Plains, it features a steep ravine whose history spans about two million years. FTP, name this northern Tanzania site, famous for its incredible fossil record.

Answer: Olduvai Gorge (accept Olduvai)

11. Referring to his female opponent as "the least effective Congressman in the entire U.S. House," this man declared that he would dedicate his 1998 campaign to Our Lady of Guadalupe, the patron saint of Mexico, and reach out to the Hispanic community that he has attacked since losing his seat in 1996. FTP name this candidate in California's 46th District, a right-wing Republican whose challenge to Loretta Sanchez was recently dismissed by the House.

Answer: Robert Dornan

12. It depicts the friendship between NY Times reporter Sidney Schanberg, played by Sam Waterston, and his assistant and interpreter Dith Pran, the role which won Best Supporting Actor for actual Cambodian refugee Dr. Haing Ngor. FTP identify this Roland Joffe film set in Cambodia during the uprising of the Khmer Rouge.

Answer: The Killing Fields

13. Flattened by Gary Suter on February 1st, the resulting concussion has kept him out of the Olympics, disappointing local fans who wanted to cheer on this son of a Japanese citizen. FTP, name this left wing who recently ended a holdout with a two-year, \$14 million contract, a star goal-scorer for the Anaheim Mighty Ducks.

Answer: Paul Kariya

14. Charged with breaking and entering a poolroom with intent to commit a misdemeanor, he requested the assistance of a lawyer for his defense, but was denied. After his conviction, future Supreme Court Justice Abe Fortas handled his appeal to the Supreme Court, which he won. FTP, name this man, who lent his name to the 1963 case establishing that all indigent defendants have a right to counsel under the Sixth Amendment.

Answer: Clarence Earl Gideon

15. This element has the highest tensile strength of any element when heated to above 3000 degrees F, and in fact expands the least of any element in that range. It can be machined most easily at high temperatures, and forms machine tools with carbide. For ten points, name this element, found in scheelite and wolframite.

Answer: tungsten

16. 110 speaking parts had been cast for the TV adaptation of this novel and filming was supposed to start on January 26, 1998, but the Sri Lankan government blocked production. It is an account of the events leading up to India's independence and the following 30 years, as told from both a Hindu and Muslim perspective. FTP name this work, halted on TV due to Iranian pressure, a Booker prize winner published in 1980 by Salman Rushdie.

Answer: Midnight's Children

17. Five miles south of this city is a series of tunnels in which 300 to 1000 Koreans died in 1944 and 1945 while building a hideout for the Japanese government. The city is better known for its non-denominational Zenkoji temple, which attracts 7 million visitors a year. FTP, name this capital of a prefecture of the same name, which is continuously in the news in February 1998.

Answer: Nagano

18. Named by Cornelius Nepos about 150 years after it happened, its actual location has never been precisely located. Prince Masinissa's cavalry saved the day for Rome, defeating the seasoned infantry that had been called back from Italy. FTP name this decisive battle in which the Romans under Scipio routed Carthage and ended the Second Punic War.

Answer: Zama

19. He invented spectacles and indicated the method by which a telescope might be constructed. He wrote treatises on grammar, logic, mathematics, and physics for his friend, Pope Clement IV. FTP name this medieval theologian, known as Doctor Mirabilis, whose encyclopedic Opus Maius urged that Christian studies should be expanded to encompass the sciences.

Answer: \_R\_oger \_Bacon\_

20. It includes "Ingrid's Lament," "Arabian Dance," "Ase's Death," "Solveig's Lullaby," "Anitra's Dance," "Morning" and "In the Hall of the Mountain King." These are all parts of the incidental music to, FTP, what play by Ibsen, who commissioned the music from Edvard Grieg?

Answer: \_Peer Gynt\_

21. In Idaville, USA, for a nickel a case, you can get the top-flight detecting services of this fearless crimefighter, known for solving The Case of the Exploding Plumbing. FTP, name this son of the Idaville chief of police who worked with Sally Kimball to defeat the schemes of Bugs Meany.

Answer: \_Encyclopedia Brown\_ (accept \_Leroy Brown\_)

22. "Glory Road," "Sixth Column," "Rolling Stones," "The Door Into Summer," "Farnham's Freehold," "The Moon Is A Harsh Mistress," "I Will Fear No Evil," "Starship Troopers," and perhaps most famously, "Stranger In A Strange Land." These are all titles of books written by, FTP, which Hugo-and Nebula-award winning science fiction author?

Answer: Robert A. \_Heinlein\_

23. Descended from a team located in Worcester (WOO-ster), Massachusetts that folded in 1882, they adopted the name of their new town until 1943, when they became the Blue Jays for two years. A World Series appearance in 1950 with a very young roster led to a nickname of Whiz Kids. FTP name this team, whose only World Series victory came in 1980 with a team featuring Greg Luzinski, Tug McGraw, and Hall of Famers Steve Carlton and Mike Schmidt.

Answer: Philadelphia \_Phillies\_

24. A soldier in his youth, this fictional detective later settled down to a more contemplative life behind monastery walls. He features in A Morbid Taste for Bones, One Corpse Too Many, and The Leper of St. Giles, among others. FTP, name this 12th century detective-monk, hero of 20 novels by Ellis Peters.

Answer: \_Cadfael\_

25. It originated around 1970 in the black and Puerto Rican bars of Manhattan and Queens. Versions include Latin, Lindy, American, three count, and street. A Van McCoy recording by the same name signaled its prominence. FTP, name this dance whose popularity followed the disco craze.

Answer: the \_hustle\_

26. Made by the Dutch company Viking, an American sports association tried to ban them for the Nagano Olympics. The effort failed, and a number of world records have fallen as a result. FTP, name this new equipment, in which the back of the blade detaches from the boot, bouncing back when the foot is drawn back in, and making a distinctive sound in the process.

Answer: \_clap skates\_

27. The first non-individual was honoured in 1950 and 1975 saw the largest group honored to date: American Women. Lindbergh was the first, Chrysler the second, and the computer 54th. FTP, Carter, Reagan, Lech Walesa, Corazon Aquino, Gorbachev, Clinton, Gingrich and Ho all won what Time Magazine honour?

Answer: Time \_Man of the Year\_

28. His General Possibility Theorem says that universal domain, Rationality, Independence of Irrelevant Alternatives, and Pareto Criterion are the four conditions whose coexistence leads inevitably to the state of dictatorship. FTP, name the Nobel-prize-winning economist who developed this theorem.

Answer: Kenneth \_Arrow\_

29. As put forth in this written agreement, the bride and groom in a Jewish wedding are married "according to the laws of Moses and of Israel." FTP, name this contract which represents both the covenant between God and the community of Israel, and the bride and groom.

Answer: \_ketuba\_



1. Given the definition from the Devil's Dictionary, give the terms that all begin with the letter S, FTPE.

1. "A dead sinner revised and edited."

Answer: saint

2. "A body of elderly gentlemen charged with high duties and misdemeanors."

Answer: senate

3. "The sacred books of our holy religion, as distinguished from the false and profane writings on which all other faiths are based."

Answer: scriptures

2. 30-20-10 Identify the person.

30: Arriving at the Hotel de Ville during the political unrest of 1830, a military officer offered to escort him to the main chamber. He replied significantly, "I have been here before. I know the way."

20: During the Revolution, he lost popular support as commander of the French National Guard for using it against mob uprisings.

10: He was orphaned at age 11, became a captain in the French cavalry at age 16, and a major general in the American army at age 20.

Answer: Marie Joseph Paul Yves Roche Gilbert du Motier, Marquis de Lafayette

3. Answer the following questions regarding the crisis in relations between the U.S. and England over the incarceration of the Pooh Five FTPE.

1. All or nothing, name the five members of the Pooh Five.

Answer: Winnie-the-Pooh, Piglet, Tigger, Kanga, Eeyore

2. This official recently said, "Winnie the Pooh is an example of the very best in immigration."

Answer: Rudolph Giuliani

3. For the last 11 years the Pooh Five have been held in a maximum security glass holding cell at this institution.

Answer: New York Public Library

4. Netscape recently announced that it would release the source code for its Communicator suite.

Answer these questions about freely available software FSNOP.

1. The free software movement was inspired by a manifesto written by an MIT employee in 1983, leading to an ongoing project with a recursive acronym. Five points for one or fifteen for both, name the employee and the project.

Answer: Richard Stallman and the GNU project (GNU stands for "GNU's Not Unix," hence the recursion)

2. F15P, name this man who developed a free kernel in the early 1990's, leading to GNU operating systems released by companies such as Slackware and Red Hat.

Answer: Linus Torvalds

5. In what U.S. city would you find each of the following landmarks:

1. The Cocoran Gallery and Arena Stage Answer: Washington, D.C.

2. The Betsy Ross House and the Please Touch Museum Answer: Philadelphia

3. Coit Tower and Lombard Street Answer: San Francisco

6. Identify the female mathematician from clues for fifteen points each.

1. She published her papers as M. LeBlanc since women were not welcome in mathematics in her day. Nonetheless, she was well respected by many of her mathematical contemporaries, including Gauss and Lagrange.

Answer: (Marie-)Sophie Germain

2. She focused mostly on pedagogy, especially regarding Euclidean geometry and the works of Diophantus and Apollonius. Unfortunately, due to the political and religious unrest in 5th century AD Alexandria, this non-Christian was killed by having her flesh scraped from her bones with sharp shells.

Answer: Hypatia

7. Identify the writer, 30-20-10.

30: The eldest of 11 children, she spent her childhood on an estate in Hertfordshire under the domination of her controlling father.

20: She taught herself Greek and published a translation of Aeschylus before turning to poetry.

10: Her love for a fellow poet inspired the book of poems for which she is best remembered today.

Answer: Elizabeth Barrett Browning

8. FTPE, name the apostle given the clue

1. This man was "Apostle to the Gentiles" and died at Rome around AD 64.

Answer: Paul

2. This man was said to be crucified head down near the same time, and earlier had been the recipient of protection by Gamaliel when on trial before the Sanhedrin.

Answer: Peter

3. This man was chosen by lot to replace Judas in the days before Pentecost.

Answer: Matthias

9. Answer these questions on British history for fifteen points each.

1. In medieval England, this body of judges and privy councillors supplemented the common law courts. It became powerful under Wolsey and prosecuted offenses against the king's proclamations and legislation until being banned in 1641.

Answer: The Court of the Star Chamber

2. This body disbanded the Star Chamber and made other radical changes to the British system of government and balance of power. Largely eliminated in 1648, it regrouped to dissolve itself in 1660.

Answer: the Long Parliament

10. Name these characters of The Lord of the Rings from a description from the Harvard Lampoon's Bored of the Rings FTPE.

1. "On his head was a tall, battered conical hat sloppily covered with glow-in-the-dark cabalistic signs, alchemical symbols, and some off-color dwarfish graffiti."

Answer: Gandalf the Grey (accept Gandalf the White or Goodgulf)

2. "Arrowroot son of Arrowshirt, heir of Barbasol and King of Minas Tirith, at your service."

Answer: Aragorn son of Arathorn

3. "Daughter of Eorlode, Captain of der Rubbermark and Thane of Chowder."

Answer: Eowyn (accept Eorache)

11. Given a self-financed candidate, name the incumbent Senator who they hope to challenge in 1998 FTPE.

1. Darrell Issa Answer: Barbara Boxer

2. Peter Fitzgerald Answer: Carol Moseley-Braun

3. Bruce James Answer: Harry Reid

12. Identify these women in the arts, FTPE:

1. Most famous for dancing the role of the dying Swan in Swan Lake, this Russian ballet dancer has been called the greatest ballerina of the first third of the twentieth century.

Answer: Anna Pavlova

2. The first black opera singer to perform on television, she appeared at the Met in 118 productions between 1961 and 1969, and was a recipient of Kennedy Center Honors for lifetime achievement in the arts in 1980.

Answer: Leontyne Price

3. She founded the Dance Repertory Theatre and a school of contemporary dance in New York, and collaborated with Aaron Copland on the movie Appalachian Spring.

Answer: Martha Graham

13. Answer these questions on the designated hitter FTPE.

1. This New York Yankee was the first player to bat as a DH during the regular season.

Answer: Ron Blomberg

2. This member of the 1974 A's is the last pitcher to hit a home run in the World Series.

Answer: Ken Holtzman

3. This Giants outfielder became the first National Leaguer to bat as a DH during regular season interleague play.

Answer: Glenallen Hill

14. Given a lyric, identify the song and artist, five points for each

1. "When God way up in Heaven, for whatever it was worth/thought He'd have a big old party, thought He'd call it planet Earth."

Answer: One More Saturday Night by the Grateful Dead

2. "The world is a vampire"

Answer: Bullet with Butterfly Wings by Smashing Pumpkins

3) "Jezebel went forty days drinking nothing but Perrier/Dinah drove her Chevrolet into the San Francisco Bay"

Answer: 88 Lines About 44 Women by Nails (do not accept Nine Inch Nails)

15. This is a bonus on BIG numbers.

1. FFP, what the British call a triliard is equivalent to what in America?

Answer: sextillion

2. FTP, 10 to the power 100 is a googol, but what is 10 to the power googol called?

Answer: googolplex

3. This immense number has actually been used in a mathematical proof as an upper bound concerning bichromatic hypercubes. It is inexpressible without Knuth's arrow notation (using 64 arrows). Name it, F15P.

Answer: Graham's number

16. Give the author of the following World War I poems, FTPE.

1. "Dulce Et Decorum Est" Answer: Wilfred Owen

2. "In Flanders Fields" Answer: John MacRae

3. "The Soldier" Answer: Rupert Brooke

17. It's time for a bonus on monopoly theory.

1. FTP, name the condition where there is a single seller and a single buyer, such as a school board and a teacher's union.

Answer: bilateral monopoly

2. FTP, give the situation where there is a single supplier of a widely needed and critical part.

Answer: horizontal monopoly

3. FFPE, give the two situations examined in an antitrust action to see if a situation is monopolistic.

Answer: market share, ease of market access

18. Some men are born to greatness; others have it thrust upon them by the death of their elder brother. F15PE, given the name of a ruler and a brief description, name his more dashing but short-lived elder brother.

1. The brother of the Emperor Claudius, he died after several successful campaigns in Northern Europe.

Answer: Germanicus

2. The brother of Charles I of England, he is believed to have died of porphyria in 1612.

Answer: Prince Henry Stuart (note: do not accept Henry with any number afterwards)

19. I'll name the instrument, you name the person that played it at The First Esquire Concert on January 18th 1944, FTPE:

1. Trumpet was played by Louis Armstrong and this man.

Answer: Roy Eldridge

2. Trombone

Answer: Jackson Teagarden

3. Bass

Answer: Oscar Pettiford

20. Answer the following questions about the longest running Science Fiction show in honor of its 35th anniversary this year.

1. For 10 points, name the show.

Answer: Doctor Who

2. For five points each name any four of the eight television incarnations of the Doctor.

Answer: William Hartnell, Patrick Troughton, Jon Pertwee, Tom Baker, Peter Davidson, Colin Baker, Slyvester McCoy, Paul McGann. (do not accept Peter Cushing or Trevor Martin)

21. Name the idols mentioned in the Old Testament from the description F15PE.

1. This sun-god of the Assyrians was challenged by the prophet Elijah to send down fire to burn a sacrifice and failed.

Answer: Baal

2. The chief god of the Philistines, his image mysteriously fell and was beheaded when the Ark of the Covenant was placed in his temple. Name this half-man, half-fish deity.

Answer: Dagon

22. A Seattle-area teacher was recently arrested for violating probation when she was found in a car with a 14-year-old ex-student of hers with whom she had a son. Her father, an ex-Congressman, left the House after one term when it was revealed that he had two children with a mistress. For fifteen points each, name this father-daughter combo.

Answer: Mary Kay LeTourneau and John Schmitz

23. In Prokofiev's Peter and the Wolf, each character in the story is represented by a particular instrument. FTPE, give, in order, the instruments used for the cat, duck, and grandfather.

Answer: clarinet, oboe, bassoon (note: answers must be in that order)

24. Oxygen was discovered independently by three different scientists, one each from France, Great Britain, and Sweden. For ten points each, name them.

Answer: Antoine Lavoisier, Joseph Priestly, Scheele

25. Only three athletes have won six medals in the Winter Olympics. One won for the Soviet Union in speedskating in 1960 and 1964, another for Russia in cross-country skiing in 1992 and 1994, and a third -- the only man to do so -- for Norway, also in cross-country skiing, in 1992, 1994, and 1998. FTPE, name them.

Answer: Lydia Skoblikova, Lyubov Egorova, and Bjorn Daehlie

26. FTPE, give the doctrine by which a federal can decline to hear a case from a brief description.

1. The plaintiff was not the person harmed.

Answer: lack of standing

2. The potential harm is not immediate.

Answer: ripeness

3. There is no longer a controversy.

Answer: mootness

27. Name the five parts of T.S. Eliot's poem "The Wasteland," FFPE and a five point bonus for all correct.

Answer: The Burial of the Dead, A Game of Chess, The Fire Sermon, Death by Water, What the Thunder Said

28. Pencil and paper ready. F15PE, consider the function  $x^2 + y^2 + z^2$ .

1. First, what is the curl of the gradient of  $f$ ?

Answer: zero

2. Next, what is the divergence of the gradient of  $f$ ?

Answer: 6