

1. Pop Culture

This show ran on CBS from 1962 to 1971, and it held the record for most watched show until The Beatles appeared on Ed Sullivan. One of the characters was a banker named Jane Hathaway who was played by Nancy Kulp. The lead characters were Granny Moses, Jethro Bodine, and Jed and Elly May Clampett. Name this show about a family that moves West after discovering oil on their land.

ANSWER: (The) Beverly Hillbillies

2. World Literature

One of his recent protagonists is Willie Somerset Chandran, who, like the author, spends much of his life in England after being raised elsewhere. Another novel is narrated by Salim, who has moved to Africa's interior. The author first gained fame with a novel about Mohun Biswas, who, like the author, is from Trinidad. Name this 2001 Nobel Prize recipient who wrote *A Bend In The River*.

ANSWER: (Sir Vidiadhar Surajprasad) Naipaul

3. Algebra (10 Seconds)

This shortcut is used to evaluate certain functions, test factors, and solve problems in which the divisor is linear. It is often used in conjunction with the Rational Root Theorem or the Remainder Theorem. The first step is to get the divisor into the form $X - H$. H is written in the upper left corner, and the coefficients of the dividend are written across the top. The rest of the problem can be solved through a series of addition and multiplication. Name this method of polynomial division.

ANSWER: Synthetic (Division or Substitution)

4. Art/Architecture

Some of his woodcuts are titled *Puddle*, *Dolphins*, and *Metamorphosis*. Though he did not have a significant mathematical background, he was fascinated by figures such as Necker Cubes that are contradictory. This artist usually made lithographs, including *Still Life with Spherical Mirror*, *Relativity*, and *Drawing Hands*. Name this 20th Century Dutch graphic artist whose pictures contained logical contradictions.

ANSWER: (Maurits Cornelis) Escher

5. Chemistry (30 Seconds)

How many electrons can fit into the fourth energy level of an atom? The first level can hold two electrons, the second level can hold eight electrons, and the third level can hold eighteen electrons.

ANSWER: 32

6. Religion/Mythology

This group was first officially recognized in 1540. The name they are commonly known by was originally an insult but soon lost its derogatory connotation. Members are classified as novices, formed scholastics, formed coadjutors, and the professed. Their goal is to study what Jesus would have done in today's world, and their motto is Ad Majorem Dei Gloriam. Name this Catholic Order in charge of many schools that was founded by Saint Ignatius Loyola.

ANSWER: Jesuit(s) (or (the) Society of Jesus or Societas Jesu)

7. US History

After completing her national position, she ran and lost a primary campaign for Governor of Florida. Before the position, she held a smaller elective office in Florida for fourteen years. Many of her actions were controversial, including those involving Richard Jewell, David Koresh, Elian Gonzalez, and Microsoft. When she left office, she was replaced by John Ashcroft. Name the Attorney General during the entire Presidency of Bill Clinton.

ANSWER: (Janet) Reno

8. Geometry/Trigonometry (30 Seconds)

Give your answer in radians. Find the angle in the 2nd Quadrant whose Secant equals negative two.

ANSWER: $2\pi/3$ (accept two-thirds pi, do not accept $2/3$)

9. Language Arts

This term is derived from Sanskrit, in which it means Lord of the World. It specifically refers to a huge cart which carries a statue of Krishna. According to legend, Krishna worshippers used to throw themselves in front of the cart and get crushed by it. In English, it now refers to an overpowering force such as an army or unbeatable athletic team. Give this term that begins with the letter J.

ANSWER: Juggernaut

10. Astronomy/Earth Science/Geography

It is one thousand, nine hundred kilometers from the nearest inhabited land, which is Pitcairn Island. Scientists believe that it once held ten thousand people, which caused severe overpopulation problems. It is made up of three volcanos, most notably Terevaka, and the first European to visit it was Jacob Roggeven. It is famous for objects on its coast that weigh over one hundred tons and are fifteen meters tall that were built five hundred years ago. Name this Pacific Island with large statues.

ANSWER: Easter (Island) (accept Rapa Nui, Te Pito O Te Henua, or Isla de Pascua)

11. World History

There is disagreement whether this term comes from the German word for conspirator, the name of a Count from Tours, or the name of one of the group's leaders. Another one of their leaders was Gaspard de Coligny, who survived an assassin's bullet but was among the thousands of people killed two days later. Name this group which played a major role in the Wars of Religion, which included the Saint Bartholomew's Day Massacre and Edict of Nantes.

ANSWER: Huguenot(s)

12. Calculus/Combinatorics (10 Seconds)

This is the common name given to calculus problems that often involve right triangles. One common example involves seeing how quickly the distance between two cars increases as one heads North and the other heads East. Name these problems in which values of some derivatives are used to find the value of another derivative.

ANSWER: Related Rate(s)

13. British Literature

One of his poems contains the line, "Drink to me only with thine eyes," and another states, "He was not of an age, but for all time!" The first quote comes from "To Celia", and the second is from "To the Memory of My Beloved the Author, Mr. William Shakespeare". He also wrote several plays, including *Every Man in His Humor* and *Every Man Out of His Humor*. Name this Shakespeare and Marlowe contemporary who wrote *The Alchemist* and *Volpone*.

ANSWER: (Ben) Jonson

14. Music

Many of these can be found in Tchaikovsky's "Waltz of the Flowers" and Bach's "Well-Tempered Clavier". They are often played by harps, and this term is Italian for 'in the manner of a harp.' Give this term, denoted in sheet music using a vertical squiggly line in front of a group of notes, for chords played one note at a time.

ANSWER: Arpeggio(s) (prompt Broken Chord)

15. Biology

(Note to moderator: Laryngeal is pronounced lar-en-jee-el, and trachea is pronounced tray-kee-uh.) Along with parts of the external ear, this is the biggest example of elastic cartilage in your body. It separates the oral and laryngeal sections of your pharynx and is located behind the hyoid bone. When it performs the function it is known for, it is almost horizontal, but most of the time it is not. Name this flap that prevents food from entering the trachea.

ANSWER: Epiglottis

16. Technology

One of the original partners was Volkswagen. When they backed out, Daimler-Benz moved in, but they have lost a lot of money on the project. They are hoping the Fortwo, which will be available in the United States next year, will be more successful. The Swatch company has always been involved. Name this project that has produced automobiles less than one hundred inches long so that they can fit sideways in a parking space.

ANSWER: Smart (Car) (prompt Micro Compact, Supermini, or Micro Car)

17. Current Events

In a handwritten note to his supporters, he claimed: "The world's elite are busy forming a North American Union. If they are successful, as they were in forming the European Union, the good old USA will only be a memory." He has been in Congress, on and off, since 1976, and has continued to work as an obstetrician. Name this Republican opposed to the Iraq War who is running for President.

ANSWER: (Ron) Paul

18. Nonfiction

In an essay titled *Life Without Principle*, he said, "Do not hire a man who does your work for money, but him who does it for love of it." Many of his writings cover excursions to places near his home such as Canada, Maine, and Cape Cod, and he also wrote in support of John Brown and other abolitionists. His best-known book contains chapters such as Solitude, Brute Neighbors, and The Pond In Winter. Name this transcendentalist who wrote *Walden*.

ANSWER: (Henry David) Thoreau

19. Physics (30 Seconds)

Include units in your answer. Find the speed of an object moving around a circle if the centripetal force is 4 Newtons, the radius of the circle is 4 meters, and the object is 4 kilograms.

ANSWER: 2 Meters Per Second

20. US Literature

The middle section of his first novel is titled "Prayers of the Saints" and gives the points of view of relatives of John Grimes. His later novels include *Giovanni's Room*, *Another Country*, and *If Beale Street Could Talk*. He was also a well-known essayist, sometimes addressing the relationships between Black Christians and Muslims. Name this author of *Go Tell It on the Mountain*.

ANSWER: (James) Baldwin

Tiebreakers:

This is a computational tossup, so you are allowed 30 Seconds. Solve the system of equations: $x+y=10$ and $x+2y=14$

ANSWER: (6,4) (order matters, accept $x=6$ & $y=4$)

This term is derived from the Sanskrit term for River, and it often is associated with the term Dharma. It also is associated with the terms Sruti, which means What Is Heard, and Smriti, which means What Is Remembered. It names a religion that is followed by about one billion people worldwide. Name this religion originally based on the Vedas that has a huge following in India.

ANSWER: Hindu(ism) (or Hindu Dharma)

Give the word that completes this Ben Franklin quote: "We must, indeed, all hang together or, most assuredly, we shall all hang..."

ANSWER: Separately