1. *De ja vu* means *when you feel as if you’ve been in a situation before*. From which language does it come?

   FRENCH

2. A rectangle is 90 feet long and 10 feet wide. What is the length of a side of a square which has the same area?

   30 FEET

3. Give the number of unshared electron pairs in the Lewis dot structure of the nitrogen molecule.

   2

4. At the age of 71, Kentucky-born Vice-President Alben Barkley was the oldest Vice-President ever to be inaugurated. For which U. S. President did he serve that was the first president to take office during a war and the first to use an atomic bomb?

   (PRESIDENT HARRY S) TRUMAN

5. Give the musical term for the direction to play in a moderate tempo inclining to slowness flowing with ease.

   ANDANTE

6. Multiply the following: $-[-(-2)(a + b)]$.

   $2a + 2b$

7. Identify the type of map that shows the nations, or countries, that have separate governments.

   POLITICAL (MAP)

8. Give the term referring to the study of horses.

   HIPPOLOGY

9. Give the medical term for the shoulder blade.

   SCAPULA

10. What is the chemical formula for sodium nitrate?

    NaNO$_3$

11. In the sentence, “Did he increase his consumption of both sugars and salts?” identify the correct spelling of the antonym of *abate*.

    INCREASE
12. Its sound is produced by blowing across the top. Identify this wind instrument consisting of a series of small vertical tubes or pipes of differing lengths.

   PANPIPE

13. Out of all the Europeans which group had the best relationship with the Native Americans?

   FRENCH

14. A right rectangular prism has the dimensions of 3 inches by 5 inches by 7 inches. What is its total surface area?

   142 SQUARE INCHES

15. Correct the following sentence if needed, “She had showed him all of her test scores.”

   CHANGED SHOWED TO SHOWN

16. Which term beginning with the letter A refers to the sap-soluble plant pigment responsible for the scarlet, purple, mauve, and blue coloring of the leaves of some trees?

   ANTHOCYANIN

17. She was one of the best-known abolitionists and the first African-American female orator to speak out against slavery. Identify the better known name for New York-born Isabella Baumfree.

   (SOJOURNER) TRUTH

18. It is a popular dance in Scotland for two couples. The Virginia one is a variant for a large group of dancers. Identify this dance beginning with the letter R.

   REEL

19. Simplify the following: \(-\frac{1}{8}(80a - 16) - \frac{1}{4}(24a + 8)\).

   \(-16a\)

20. This question requires a multiple answer. Give all 3 colors found in the flags of both of the countries of Ireland and Italy.

   RED, WHITE, & GREEN

21. Complete the following analogy: Dark Spot is to Neptune as the Cassini Division is to which planet?

   SATURN

22. A cell is composed of many organelles with different functions. Which organelle is responsible for respiration?

   MITOCHONDRION
23. The tale opens with the narrator having arrived at the house of his friend, Roderick, and ends with the narrator quickly escaping from the house and as he hurries away, he sees the house break in two. Identify this short story by Edgar Allan Poe.

(THE) FALL OF THE HOUSE OF USHER

24. She was called the “Blue-Eyed Maid.” Identify the Roman goddess of wisdom.

MINERVA

25. He is credited with the creation of the 19th century French operetta. Name the German-born French composer known for his 1866 operetta Barbe-Blue based on the Bluebeard theme.

(JACQUES) OFFENBACH

26. Divide $3xy/4$ by $12x^2$.

$y/16x$

27. Born Eric Arthur Blair, identify this author known for such classics as 1984 and Animal Farm.

(GEORGE) ORWELL

28. He served during the reigns of King George I and King George II. Give the name of the first prime minister of Great Britain.

(ROBERT) WALPOLE

29. These are based on German mythology, a favorite topic of this composer. Identify the name of Richard Wagner’s famous cycle of four operas.

(THE) RING OF THE NIBELUNG or (THE) RING CYCLE

30. Solve for $x$ in the following: $(2x - 1)$ divided by 3 equals 5.

$x = 8$

31. The first atomic bomb was dropped from the Enola Gay on Hiroshima in 1945 by the orders of President Truman. Give the nickname of the first atomic bomb.

LITTLE BOY

32. Which physics term beginning with the letter E is used to represent the unit of energy equal to one dyne-centimeter?

ERG

33. Name the cell process beginning with the letter S referring to the production and release of chemicals.

SECRETIONS
34. This story tells of Sam having to let his falcon go free. In which of Jean Craighead George’s works does this occur?

FRIGHTFUL’S MOUNTAIN

35. Dances done for recreation often with a partner are known by what name?

SOCIAL (DANCES)

36. It was popular in the U. S. and Europe in the 1920s and 1930s. Identify this style of design and decoration with geometric designs and highly intense colors that reflected the rise of commerce, industry, and mass production.

ART DECO

37. Which battle of June 1942 is considered to be the turning point of the Pacific war in World War II?

(BATTLE OF) MIDWAY

38. Name the 20th century American author of such works as Mexico, Alaska, and Hawaii as well as many others.

(JAMES) MICHENOR

39. The width of a rectangle is 15 centimeters less than the length. The perimeter is 98 centimeters. Find the rectangle’s dimensions.

17 CENTIMETERS BY 32 CENTIMETERS (OR SWITCH ORDER)

40. Examples such as photographs, speeches, and original papers and documents are all types of what kind of sources?

PRIMARY (SOURCES)
SECOND HALF

1. History is divided into different ages. Which age is best described as people being hunters and food gatherers, people being nomads, and related families often joining together in groups called clans?

   OLD STONE (AGE)

2. A normal human fertilized egg contains how many chromosomes?

   46

3. Given the sentence, “Go to the refrigerator and check and see if there’s any milk,” identify its mood.

   IMPERATIVE

4. Give the term for the public square or marketplace of an ancient Roman city.

   FORUM

5. In the legend, the shipwrecked Odysseus is detained for seven years until Zeus commands her to release him. Identify this sea nymph.

   CALYPSO

6. It is a very famous poem by Henry Wadsworth Longfellow. Name this poem that describes the journey of the Acadians who were driven out of Canada during the 1750s.

   EVANGELINE

7. Give the name of the American inventor of interchangeable parts for muskets.

   (ELI) WHITNEY

8. Find the degree of \(5x^2y^2z^2\).

   6

9. If the diameter of a circle is 6 meters, find the circumference of the circle.

   6 PI METERS

10. As far as we know, the earliest civilization rose in what is now part of which modern-day country having Baghdad as its capital?

    IRAQ

11. This question requires a multiple answer in the correct sequence. Scientists often either divide cell division into 4 or 5 stages. According to some, name the 5 stages of cell division in the correct order from beginning to end.

    INTERPHASE, PROPHASE, METAPHASE, ANAPHASE, TELOPHASE
12. This author tells of an absent-minded man who drives his wife to the hairdressers and then must run an errand while she is there. During this time he has four heroic daydream episodes. This classic short story “The Secret Life of Walter Mitty” is written by which author?

(JAMES) THURBER

13. Identify the verb and its tense in the following sentence, “By noon she will have eaten all of the calories needed.”

WILL HAVE EATEN, FUTURE PERFECT (TENSE)

14. Simplify the following: \((4x^2 + 2x + 5) + (-x^2 + 3x + 5)\).

\[3x^2 + 5x + 10\]

15. Many of them are large and are found hanging in museum lobbies or auditoriums from the ceiling. Identify this type of moving sculpture invented and first used by the artist Alexander Calder.

MOBILE

16. It was the center of early Mesopotamia city life. Identify this temple made of thousands of mud-bricks raised high on a platform.

ZIGGURAT

17. The Aswan High Dam catches and holds back the floodwaters of which river?

NILE (RIVER)

18. Beginning with the letter S, name these organisms that get food from dead or nonliving organic matter.

SAPROPHYTE

19. Correct the following sentence if needed, “She is the one who is the best.”

CORRECT AS IS

20. Divide the following: \((-3y)^3\) divided by \((y^3)^2\).

\[-27/y^3\]

21. He was the most popular of the English Romantic poets in his own day. Identify this poet known for a satire called Beppo and the more recognizable Don Juan.

(GEORGE GORDON, LORD) BYRON

22. Oliver Cromwell was the Puritan leader of the Parliamentary forces in the English Civil War. After the war he took the title of Lord Protector of England. Give the nickname of Cromwell’s Parliamentary forces.

ROUNDHEADS

23. What drama term either refers to the audience or the theatrical building itself?

HOUSE
24. What term refers to the winter sleep during which all body activities slow down?

    HIBERNATION

25. What is the sum of the first 60 natural numbers?

    1,830

26. He had a strong role in Lincoln’s cabinet and assumed near-total control of the nation in the wake of President Lincoln’s assassination. Identify the Secretary of War from 1862 to 1868.

    (EDWIN) STANTON

27. It is the Italian word for tail. Give this music term that designates a more or less independent passage at the end of a composition to bring it to a satisfactory close.

    CODA

28. What literary term refers to words peculiar to any particular occupation?

    JARGON

29. It was cited by Chief Justice Roger B. Taney in his landmark Dred Scott division. By declaring that slaves were not citizens, he concluded that the slave’s right to liberty was less important than the slaveowner’s right to property. Identify this U. S. Amendment which states that no person may be deprived of life, liberty, or property without due process of law.

    5TH (AMENDMENT)

30. How many different totals can you get by rolling 4 six-sided dice at once?

    21

31. In the sentence, “Making chocolate chip cookies can be lots of fun,” identify the gerund.

    MAKING

32. Which 19th century Russian composer is known for such works as Night on Bald Mountain, Boris Godunov, Pictures From an Exhibition, and Songs and Dances of Death?

    (MODEST PETROVICH) MUSSORGSKY

33. Give the term referring to a particular characteristic of an individual plant or animal.

    TRAIT

34. The Second Continental Congress met in which Pennsylvania city?

    PHILADELPHIA

35. The story of young David Balfour, an orphan, whose miserly uncle cheats him out of his inheritance is told in which classic tale by Robert Louis Stevenson?

    KIDNAPPED
36. Give the equation of the line which passes through (0, 6) and (-2, 3).

\[ Y = \frac{3}{2}X + 6 \]

37. Complete the following analogy: James Garfield is to Charles Guiteau as Martin Luther King Jr. is to whom?

(JAMES EARL) RAY

38. Identify the proportion of members of the House and Senate who must agree to override a presidential veto.

2/3 or 2 TO 3

39. If 2 hybrid parents are crossed and only 1 gene pair is considered, what is the expected genotypic ratio of the offspring?

1 TO 2 TO 1

40. Give the art term beginning with the letter D that refers to a three-dimensional miniature or life-size scene in which figures, stuffed wildlife, or other objects are arranged in a naturalistic setting against a painted background.

DIORAMA

EXTRA QUESTIONS

1. Which article of the U. S. Constitution refers to the supremacy of the Constitution?

6

2. A 66° angle is divided in a 2 to 3 to 6 ratio. What is the measure of the smallest piece?

12°

3. Which fantasy historical novel is set in the 1840s frontier and in the 1990s as a girl, Jessie, becomes a subject in a strange experiment: to escape into the outside world to get help before the children run out of time? It was written by Margaret Peterson Haddix.

RUNNING OUT OF TIME

4. The wealthy Medici were a powerful influence in this city from the early 1400s until 1737. Which Italian city on the Arno is called Firenze in Italy?

FLORENCE

5. Give the 2-word term that refers to the copy of a chromosome that results from DNA replication and is still closely linked to its original.

SISTER CHROMATID