

Elementary – Round 5

2013-14 Governor's Cup Practice Questions

1. As a result of this event, United States national parks were closed and NASA employees furloughed. It began on October 1, 2013, when the Republican House and the Democratic Senate failed to agree on a funding plan for the new fiscal year. Give this event in which federal nonessential services were suspended for lack of funding.

(GOVERNMENT) SHUTDOWN

2. Sixty percent of the people responding to a survey said that they do not like spinach. In that survey, twelve thousand people said that they did not like spinach. How many people participated in the survey?

TWENTY THOUSAND (PEOPLE)

3. Spelling required. I had to get some prescription for my infection. Spell the word in the preceding sentence that means a condition caused by bacteria.

I-N-F-E-C-T-I-O-N

4. These photosynthetic protists are generally eukaryotic [yoo-KARE-ee-AH-tik] and aquatic. They lack roots, stems, and leaves, and are a source of crude oil. What are these organisms, which can be brown, red, or green?

ALGAE

5. This piece of dance attire is frequently made of tulle [TOOL]. Name the short, full skirt worn by ballerinas.

TUTU

6. Chris has one more than twice as many apples as Pat. If Pat has seven apples, how many apples does Chris have?

FIFTEEN (APPLES)

7. Constructing this giant structure cost almost fifty million dollars and one hundred lives. It impounds Lake Mead, providing drinking water and electricity to much of the Southwest. Name this large dam on the Colorado River between Nevada and Arizona.

HOOVER (DAM) (Accept: BOULDER (DAM))

8. Examples would include "to the tower" or "in the box." Name this type of phrase, which is named after a part of speech.

PREPOSITIONAL (PHRASE)

9. In 2009, this actor created a buzz by reaching one million Twitter followers. This year, he stars as another cultural icon, Apple founder Steve Jobs. Who is this co-star of *Two and a Half Men*?

(ASHTON) KUTCHER

10. These invertebrates can be flat, round, segmented, or spiny-headed. They have slender, soft, elongated bodies, and can live in the soil or as parasites in other organisms. Name these organisms, which are often used as fishing bait.
- ✓
WORMS
11. Consider the number sequence 11, 9.5, 8, and so on. What would be the sixth number of this sequence?
- X
3.5 (ACCEPT: 3 AND A HALF or SEVEN-HALVES)
-
12. George enjoys fishing. What is the subject in the preceding sentence?
- ✓
GEORGE
13. In the twentieth century, this technique was enabled by the assembly line and later robotics. It involves large factories making many copies of a nearly identical product. Name this manufacturing practice often associated with Henry Ford.
- X
MASS PRODUCTION
14. In this kind of music, one performer sings a melody that one or more singers echoes. Identify this musical tradition, popular among West Africans and Native Americans.
- X
CALL AND RESPONSE
15. The North Atlantic Drift is an extension of this undersea ocean current. Beginning off the coast of Florida, the current carries warm water up the eastern coast of North America. What powerful ocean current is thought to be responsible for warming the climates of eastern North America and western Europe?
- ✓
GULF STREAM (CURRENT)
16. An artist is designing a rectangular mural made up of square tiles for a new school. She plans to make the mural eight feet long and six feet wide. If each tile she uses is 2 feet by 2 feet, how many tiles will she need for the project?
- X
12 (TILES)
17. In "This Little Piggy," the third pig mentioned had this dish. Which food did the third pig eat, while the fourth pig had none?
- X
ROAST BEEF
18. Large quantities of this igneous rock were created during the volcanic eruptions on primeval Earth. Being lighter than basalt, large formations of this rock floated on the heavier basalt, forming the continents. What grainy rock is used for countertops and cutting boards because of its durability?
- ✓
GRANITE

19. This aspect of a play includes masks, wigs, and makeup. It helps establish a character's social status, time period, and personal style. Give the name for the clothing an actor wears during a play.

COSTUME

20. This city sits on high bluffs, overlooking the location where the Yazoo River flows into the Mississippi. It was the key to the Union's "Anaconda Plan" to divide and conquer the Confederacy, and was besieged for 47 days before it fell to Union forces under General Grant. Identify the city, captured by the Union on July 4th, 1863, the day after the Battle of Gettysburg, that finalized Union control of the Mississippi River.

VICKSBURG

21. An orbital mission starts at 5 p.m. The mission lasts for 17 hours. Using a.m. or p.m. in your answer as appropriate, at what time does the orbital mission end?

10 A.M.

22. He founded the oldest settlement on the island of Puerto Rico while searching for gold. In 1513, he went on to further explore what he believed to be another Caribbean island. He named this area, which was actually part of mainland North America, "Florida" because of the lush vegetation he encountered. Name the Spanish explorer who allegedly sought the "fountain of youth" during his exploration of the southern United States.

(JUAN) PONCE DE LEON

23. He popularized ballroom dancing with the best-selling book *How to Become a Good Dancer*. He made his fortune with a mail-order dance-instruction business. Identify this man, known for his namesake dance studios throughout the U.S.

(ARTHUR) MURRAY

24. His girlfriend was Slue-Foot Sue, and his horse was Widow-Maker. According to legend, he grew up with coyotes and once lassoed a tornado. Who is this folk hero, an expert cowboy who loved to eat dynamite?

PECOS BILL

25. Its chemical formula is $C_6H_{12}O_6$. It serves as the main energy source for most plants and animals. What is this substance, which is also known as blood sugar?

GLUCOSE

26. Estimate your answer to the following problem by rounding each measurement to the nearest ten. Three boxes of textbooks weigh thirteen pounds, twenty-one pounds, and twenty-three pounds. What is the total weight in pounds of the textbooks?

50 (POUNDS)

27. Identify the literary device used in the following sentence: I've told you this a million times!

HYPERBOLE [high-PER-buh-lee]

28. In this disease, a specific bacterium enters the body through wounds and causes voluntary muscles to spasm and become rigid. Name this condition, an example of which is lockjaw.

TETANUS

29. Misconceptions about this practice include the ideas of Satanism and using dolls to place curses. It includes elements of Catholicism and West African religions. What religion, along with Catholicism, is an official religion in Haiti?

VOODOO

30. Movements that fall into this general category include twisting, bending, and swaying. Give the term for "movement in which the body remains anchored to one spot by a body part."
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NONLOCOMOTOR

End of half – begin three-minute inquiry period

Round 5 - Second Half

2013-14 Governor's Cup Practice Questions

1. A geographic area gets this name because it can grow massive amounts of grain for food and export. In colonial times, Pennsylvania assumed this role; today, the term is typically associated with the Midwest. Name the region of a country which produces an agricultural surplus for entire nation.

✓
BREADBASKET

2. Her most famous novel spawned many sequels, including *A Wind in the Door* and *Many Waters*. Give the name of the Newbery Medal-winning author of *A Wrinkle in Time*.

(MADELEINE) L'ENGLE [LAYN-gull]

3. In biology, this term refers to either end of the spindle formed during mitosis. In physics, magnetic field lines are said to begin at the north variety of these places and end at the south variety. What is the term for an end of a magnet, where the field lines come together?

✓
POLE

4. In this work, the Queen of the Night's servants save Prince Tamino [tuh-MEE-noh] from a serpent. Tamino rescues Pamina [puh-MEE-nuh] from the evil sorcerer Sarastro [suh-RAS-troh]. Name this opera about an enchanted musical instrument, and composed by Mozart.

✓
(THE) MAGIC FLUTE

5. It rained one point three three inches in Boston on Friday. It rained zero point six five inches on Saturday and another one point two three inches on Sunday. How many inches of rain fell in Boston on Friday, Saturday, and Sunday?

X
3.21 (INCHES OF RAIN)

6. He discovered that white light contains the colors of the visible spectrum, and co-discovered calculus. His three laws of motion deal with inertia, acceleration, and force. Name this Englishman, who also formulated the law of universal gravitation.

✓
(ISAAC) NEWTON

7. In *Kitten's First Full Moon*, the title character mistakes the moon for this. What object does Kitten unsuccessfully try to lick?

✓
(A) BOWL OF MILK

8. Kevin deposited three checks into his bank account that he received for his birthday. The checks were in the amounts of 25 dollars, 15 dollars, and 55 dollars. If Kevin wrote a check for 42 dollars after he deposited his checks, by how much did his checking account balance increase?

X
53 (DOLLARS)

9. Settlements in this Appalachian range include Johnstown, Pennsylvania, and Cumberland, Maryland. It posed a significant land barrier until the Cumberland Road was built. What mountain chain is found in West Virginia, Maryland, and Pennsylvania?
X
ALLEGHENY (MOUNTAINS)
10. This city was home to Motown Records, which launched the careers of Stevie Wonder and The Supremes. Name this "Motor City," located in Michigan.
✓
DETROIT (MICHIGAN)
11. Examples of this include electromotive, magnetic, and gravitational. Common units of measurement include the dyne, newton, and pound. What is the term for any factor that can induce a change in speed or direction of an object's motion?
X
FORCE
12. In any order, name the three states which border Kentucky to the north.
✓
ILLINOIS, INDIANA, OHIO (any order)
13. In *The Thing About Luck*, she writes about Summer, who spends the summer helping her grandparents. Her novel *Weedflower* deals with Japanese-American internment during World War II. Who also wrote the Newbery Medal-winning book *Kira-Kira*?
X
(CYNTHIA) KADOHATA
14. Terms that deal with this element of music include *accelerando* [ah-CHEL-er-AHN-doh] and *ritardando* [ree-tahr-DAH-ndoh]. What word refers to how fast or slow a piece of music is played?
X
TEMPO
15. The decimal number three point four six five is multiplied by ten thousand. How many spaces to the right is the decimal point moved after the multiplication?
✓
FOUR
16. An experiment consists of rolling a fair eight-sided die with the letters A through H on the eight faces. As a fraction, what is the probability that a roll of the die produces a consonant?

THREE-FOURTHS
17. As of October 11, 2013, at the federal level, this system was "shutdown." It comes in varieties ranging from democracy and republic to monarchy and dictatorship. What name is given to any system that conducts the affairs of a country or a state?

GOVERNMENT
18. Identify how many commas should be in the following sentence: Charlie, Louise, and I went to the store for some milk, eggs, and butter
✓
FOUR

19. X On this painting's right is a sober-looking farmer holding a pitchfork. His wife stands beside him, with their modest Midwestern farmhouse rising in the background. What is this painting by Regionalist artist Grant Wood?

AMERICAN GOTHIC

20. ✓ The ancient Greeks had two names for this planet, depending on whether it was seen in the morning or evening. Later, the Greeks realized that the two names represented the same planet, and they named it Aphrodite. What planet is named for the Roman equivalent of Aphrodite, the goddess of love?

VENUS

-
21. For a social studies project, you are building a scale model of the Eiffel Tower. The base of your model is 25 centimeters across and the base of the actual tower is 125 meters across. If your model is 60 centimeters tall, how tall, in meters, is the actual tower?

300 (METERS)

22. ✓ From 1788 until 1940, no person had been elected more than this number of times as the nation's chief executive. Since the Twenty-second Amendment, to how many terms can one person be elected president of the United States?

TWO

23. He is the subject of Peter Paul Rubens' painting Descent from the Cross. In Leonard Da Vinci's The Last Supper, he is surrounded by the twelve disciples. Who is this religious figure, whose body the Virgin Mary cradles in Michelangelo's Pietà [pee-ey-TAH]?

JESUS CHRIST (Accept: FIRST OR LAST OR BOTH)

24. ✓ Some animals use this biologic process to survive cold winter months. In what process do animals temporarily slow their metabolism, heart rate, and body temperature?

HIBERNATION (Accept other forms of the word)

25. ✓ Spell the two homophones, in correct order, in the following sentence: I rode my spotted horse down the unpaved road.

RODE, ROAD

26. ✓ As a verb, this word names a deaf person's primary means of communication. It can also mean "to write one's name." Which word names a traffic notice that tells people to yield or stop?

SIGN

27. ✓ During World War Two, this man commanded PT-109, and helped lead his men to safety after the patrol boat was sunk by a Japanese destroyer. Known as an effective speaker, his inaugural address demanded: "Ask not what your country can do for you -- ask what you can do for your country." Which President was riding in a parade in Dallas, Texas when he was assassinated by Lee Harvey Oswald ?

(JOHN, JOHN FITZGERALD, JOHN F., OR "JACK") KENNEDY (Accept: JFK)

28. ✓ It is the main ingredient in the art process called encaustic. What substance is also used to make candles?
WAX
29. ✗ LED technology is used in watches, calculators, and televisions. What does the acronym LED stand for?
LIGHT EMITTING DIODE
30. ✓ Polygons are named by the number of sides they have. An octagon, for example, has 8 sides. How many sides does a pentagon have?
5 (SIDES)
-

End of half – begin three-minute inquiry period

Extra Questions

- SS-1 ✓ An example of this type of body of water is the Ohio into the Mississippi. What type of river flows into another river or lake?
TRIBUTARY
- LA-2 ✗ He describes four girls' day at the beach in the poem "maggie and milly and molly and may." Identify the poet best remembered for his unusual punctuation and lack of capitalization.
(E. E.) CUMMINGS
- SC-3 ✗ In 1932, Carl Anderson discovered the first example of this substance, the positron. What substance destroys matter, releasing great amounts of energy in the process?
ANTIMATTER
- M-4 ✗ Jake rough cut a board 25 and three-fourths inches. To make the board fit the space Jake had to trim three-sixteenths of an inch from the board. What is the length of the trimmed board?
TWENTY FIVE AND NINE-SIXTEENTHS (INCHES)
- H-5 ✗ This bowed string instrument is tuned from C3 to A4. It is the middle voice in a string quartet. Name this instrument, a slightly larger version of the violin.
VIOLA