

Elementary – Round 3

2013-14 Governor's Cup Practice Questions

1. A third-class example of this machine is a fishing rod. A second-class example is a bottle opener. A see-saw is a first-class example of what simple machine?

✓ LEVER

2. Consider the fractions five-sevenths and seven-twelfths. If these two fractions are added, what would be the common denominator?

✓ 84

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3. He saves Russell McNab from a trolley trestle and delivers him to his home in the all-white West End. He loses a race to the book's title character, but eventually begins running with him. Identify this East Ender, nicknamed for a candy bar, from Jerry Spinelli's *Maniac Magee*.

MARS BAR (THOMPSON)

4. On sheet music, it is a dot with a half-circle above it. Some people refer to it as a "birdseye." Which musical symbol instructs a musician to hold a note longer than its normal value?

FERMATA [fer-MAH-tuh]

5. This political unit does not exist in Louisiana, which has parishes. In Kentucky, this unit is usually governed by a fiscal court. What political unit does Kentucky have 120 of?

✓ COUNTY

6. Each of these organs is encased in a pleura [PLOOR-uh]. They are connected to the trachea by bronchi [BRONG-kee], and to the heart by pulmonary arteries. Name these paired respiratory organs in some vertebrates.

LUNG

7. Eddie went to an auction and his first purchase was a chest for twenty dollars. He also had winning bids on a table for eighteen dollars, a chair for seventeen dollars, and a desk for nineteen dollars. How much money did Eddie spend at the auction?

✓ 74 (DOLLARS)

8. He created a bear searching for a missing article of clothing in *I Want My Hat Back*. Who won the most recent Caldecott Medal for his tale of a thieving fish, *This Is Not My Hat*?

(JON) KLASSEN

9. Musical genres [ZHAWN-ruhzh] that fall into this general category include rock and jazz, but not spirituals. Give the term for any non-religious music.

✓ SECULAR

10. This military installation was home to the Armor School for seventy years. It is south of Louisville and, during World War Two, housed many important documents for safekeeping. What fort is best known for its bullion depository?

(FORT) KNOX

11. Examples of this rock type include hornfels, gneiss [NICE], anthracite, and marble. What type of rock, whose name is taken from Greek words meaning "change in form," results when another rock is subjected to heat and pressure, changing its physical or chemical structure?

METAMORPHIC PD

12. He completed one hundred fifty-four sonnets, as well as long poems like "The Phoenix and Turtle" and "Venus and Adonis" [uh-DON-is]. Which English author is better known for writing the plays A Midsummer Night's Dream and Romeo and Juliet?

(WILLIAM) SHAKESPEARE

13. In Miss Paul's class, two-thirds of the students have a sister. Of the students that have a sister, one half of them also have a brother. What fraction of Miss Paul's students have both a brother and a sister?

ONE-THIRD

14. It is a high-pitched transverse flute similar to the piccolo. What small woodwind instrument is paired with "drum" in the name of an Army musical corps [CORE]?

X FIFE

15. This part of a map might be ten thousand to one. What part of map shows the ratio of distance on the map to distance on the ground?

(MAP) SCALE

16. Billy, after his pay raise, is now making thirteen dollars and twenty seven cents per hour. If he was making eleven dollars and seventy two cents an hour before his raise, how much raise per hour did Billy receive?

1.55 (DOLLARS) (Accept: ONE DOLLAR AND FIFTY FIVE CENTS)

17. For a photon of red light, this distance is about 650 nanometers. For a photon from an FM radio tower, it is about three meters. What is the term for the distance between two peaks of a wave?

(WAVE)LENGTH

18. Her first novel, Zeely, was followed by The House of Dies Drear. Name this author, most famous for M. C. Higgins, The Great.

X (VIRGINIA) HAMILTON

19. In this composition, the clarinet represents a cat, while the oboe is a duck. Its title characters are a young boy and a ferocious predator. Give the name of this Sergei Prokofiev [sur-GAY pruh-KOE-fee-uf] work.

✓ PETER AND THE WOLF

20. This natural resource has the chemical symbol Au. Throughout history, it was used by monarchs for ornamentation and nations as currency. What natural resource caused rushes to Alaska and California in the 1800s?

✓ GOLD

21. Common examples of this literary term include "buzz," "smack," and "woof." What literary device refers to words that imitate the sounds they describe?

✓ ONOMATOPOEIA [on-oh-MAH-toe-pee-uh]

22. Consider all positive numbers less than one with two decimal places. If this type of number is converted to a fraction, what is the denominator before any simplification?

✓ 100

23. For a time, this nineteenth-century physician taught school in Henderson, Kentucky. She helped establish a Women's Medical College and organized the National Health Society. Who became the first woman in the U. S. to graduate from medical school?

✓ (ELIZABETH) BLACKWELL

24. In this dance, part of the Electric Slide, the performer steps to the side before crossing the opposite foot over the supporting foot. Identify this dance, which shares its name with a fruit-bearing plant.

✗ GRAPEVINE

25. This explorer left Spain for Hispaniola, then fled to Central America to escape his debts. He founded the first stable European settlement on the mainland in 1511. Who is considered the first European to discover the Pacific Ocean?

✓ (VASCO NUÑEZ DE) BALBOA [VAHS-koh NOO-nyez deh bahl-BOE-uh]

26. During the construction of a tunnel, this man met his unfortunate death. Name this "steel-driving" man known for his famous race against a steam powered hammer, which he won.

✗ JOHN HENRY

27. Early in his career, this man choreographed On the Town and High Button Shoes. Who was better known for creating the dance sequences in Gypsy, Fiddler on the Roof, and West Side Story?

(JEROME) ROBBINS

28. For water, the value is zero degrees Celsius. What is the term for the temperature at which a solid transforms into a liquid?

MELTING POINT (Accept: FREEZING POINT)

29. Of all numbers strictly greater than ten, which one is the smallest prime number?

✓
(ELEVEN

30. This explorer sailed for Spain in an attempt to decisively locate the Spice Islands. During the voyage, he discovered a strait, now named for him, separating South America from the Tierra del Fuego (TEE-era DEL FWAY-go). What Portuguese man, who died during a conflict with natives in the Philippines, is credited with the first circumnavigation of the globe?

✓
(FERDINAND) MAGELLAN

End of half – begin three-minute inquiry period

Round 3 - Second Half

2013-14 Governor's Cup Practice Questions

1. A rectangular garden has a length of ten point 5 feet and a width of five feet. Find the area and then round the area of the garden to the nearest square foot.

✓
53 (SQUARE FEET)

2. Characters in this play include Molly Aster, Black Stache, and Fighting Prawn. Name this Tony-winning play, an unofficial prequel to J. M. Barrie's Peter Pan.

X
PETER AND THE STARCATCHER

3. Formulating this kind of proposition is the third step in the scientific method. Devising an experiment to test it is the next step. Give this term for "a suggested explanation for a group of facts or phenomena."

X
HYPOTHESIS

4. He told the Illinois Republican Convention that "A house divided against itself cannot stand." In another speech, he promised that "government of the people, by the people, for the people, shall not perish from the earth." Which president delivered the Gettysburg Address?

✓
(ABRAHAM) LINCOLN

5. This document was ratified by the Continental Congress in 1777 to govern the colonies as a whole. Unfortunately, problems with the government it created led to the need for a new Constitution just 10 years later. Name this document which served as the first constitution for the independent American colonies.

✓
ARTICLES OF CONFEDERATION

6. A marathon starts at 1:15 PM. Jerry finishes the marathon in exactly three hours and forty-five minutes. At what time does Jerry finish the marathon?

✓
5 (PM or O'CLOCK)

7. An artist plays with this principle of design when he makes a god much larger than a human. Identify this principle, which controls the relative sizes of elements in an artwork.

PROPORTION

8. As a verb, this word means "to be able to." Also as a verb, it names a way of preserving food by sealing it in a jar. Which word names the metal cylinder that holds soup or soda?

✓
CAN

9. Four Galilean moons orbit this planet, along with at least 63 others. A 1994 comet impact on this planet was the first collision between two solar system bodies to be observed. What planet is fifth from the sun, contains the Great Red Spot, and is the largest?

✓
JUPITER

10. This era, marked by prohibition between World War One and World War Two, saw significant peacetime prosperity, before the economic downfall of the Great Depression. Hallmarks of the period include flappers, speakeasies, and gangsters. What is the term, used to describe the prosperous period of social change in the 1920s.

JAZZ AGE (Accept: ROARING '20s)

11. Consider two congruent rectangles ABCD and QRST. If rectangle ABCD has an area of 60 square units, and side QR measures 4 units, what is the measure of side RS?

X 15 (UNITS)

12. During this aptly-named era, which lasted from 1901 to 1904, the artist painted The Old Guitarist. Identify this period, during which Picasso painted monochromatic works in dark colors.

X BLUE (PERIOD)

13. If this biological process is incomplete, it consists of three stages. If it is complete, it includes egg, larva, pupa, and adult stages. Give the term for insect development.

X METAMORPHOSIS

14. One word in this pair of homophones means "to kill a dragon." The other names the vehicle that Santa Claus operates. Name this word.

✓ SLAY/SLEIGH

15. Thanks to the shutdown, public approval of this body dropped to five percent in October 2013. It is split into two houses, the House of Representatives and the Senate. Identify the federal legislature of the United States.

✓ (UNITED STATES) CONGRESS

16. A fair coin is flipped three times. The result of each flip is recorded in order. How many different results can there be?

EIGHT

17. His Bar at the Folies-Bergere [foh-LEEZ bear-ZHAIR] shows a young woman in front of a long mirror. Which French painter inspired Impressionism with Olympia and Luncheon on the Grass?

X (EDOUARD) MANET

18. How many letters should be capitalized in the following sentence: Mt. Vesuvius [vuh-SOO-vee-us] destroyed Pompeii in A.D. 79.

✓ FIVE

19. In an animal egg, this combination of protein and fat nourishes the developing embryo. Identify this substance, better known as the yellow portion of a chicken egg.

✓ YOLK

20. This amendment was the subject to the 2008 court case, District of Columbia v. Heller. What amendment provides for a well regulated militia and the right to keep and bear arms?

SECOND (AMENDMENT) (Accept: (AMENDMENT) TWO)

21. A number sequence starts with three and follows the rule of 'add four'. What would be the sixth number of this sequence?

✓ 23

22. Eskimos built this kind of canoe by stretching seal skin over a whale bone frame. The user sits in a small opening and propels the craft with a double-bladed paddle. What is this boat with a palindromic name?

X KAYAK

23. Examples include "is" and "are." What type of verb connects the subject and predicate of a sentence?

✓ LINKING (VERB)

24. In animals, this term generally refers to any membranous sac that stores fluid or gas. Which organ, in humans, temporarily stores the urine produced by the kidneys?

X BLADDER

25. The first modern example of this business was founded by the Medici [MEH-dee-chee] family. Today, major ones include Wells Fargo, Citi, and JP Morgan Chase. What are these financial institutions that accept deposits and offer loans?

✓ BANK

26. After tripling a number and then subtracting ten, the result is twenty-six. What was the original number?

X TWELVE

27. Spelling required. Croquet players use mallets to hit balls through wickets. Spell the word in the preceding sentence that refers to a game.

X C-R-O-Q-U-E-T

28. Her talk show helped launch the careers of Dr. Phil and Dr. Oz. She founded Harpo Productions, O Magazine, and the OWN television network. Name this cultural icon, whom Time ranked as one of the world's most influential people for eight years straight.

✓ OPRAH WINFREY (Accept: FIRST OR LAST OR BOTH)

29. In woody plants, it is a layer of tissue in the stem, just below the cambium [KAM-bee-uhm]. What kind of vascular plant tissue conducts food from the leaves to the rest of the plant?

X PHLOEM [FLO-um]

30. Over the years, the number of stripes on this symbol has remained relatively constant, but the stars have increased from thirteen to fifty. According to legend, the first one was sewed by Betsy Ross. Name this symbol that flies above all government buildings.

✓ (UNITED STATES or AMERICAN) FLAG (Accept: OLD GLORY)

End of half – begin three-minute inquiry period

Extra Questions

- ~~M-1~~ A store originally sells a video game for fifty dollars. During a sale, the price of the game is reduced by thirty percent. In dollars, how much does a customer save in purchasing the video game?

✓ FIFTEEN (DOLLARS)

- SC-2 On May 25, 1953, the United State Weather Bureau first assigned a female name, Alice, to this weather phenomenon. A male name, Bob, was first used on July 10, 1979, and Bob strengthened to become a hurricane. What is the term for a tropical cyclone having surface winds of at least 39 miles per hour but less than 74 miles per hour?

✓ TROPICAL STORM

- SS-3 This businessman was portrayed by Jesse Eisenberg in The Social Network. At 23, only a few years after launching his company from his Harvard dorm room, he was the world's youngest self-made billionaire. Identify the founder of Facebook.

X (MARK) ZUCKERBERG

- H-4 This string instrument's name translates as "jumping flea." It is small and guitar-shaped, with four strings. Give the name of this Hawaiian instrument.

X UKULELE

- LA-5 Classify the following sentence according to its type: I think I will go to the store today.

✓ DECLARATIVE