



2024-25 High School Championship (T3) – Pack 11

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PACK 11

5-Part Blitz

1. What philosophical school coined the term “culture industry” and featured thinkers like Max Horkheimer and Theodor Adorno?
A: **Frankfurt** School
2. What body of water does the Jordan River flow into?
A: **Dead Sea**
3. Dereferencing a pointer in C and string repetition in Python are done with what character?
A: **asterisk** (accept: **star**)
4. Mark Carney, Emmanuel Macron, and Keir Starmer recently delivered a joint criticism of what country, which is having a trade deal reconsidered by the European Union?
A: **Israel**
5. While on his way to fight in World War I, Harry Colebourn rescued a bear, donated it to the London Zoo, and gave it what name?
A: **Winnipeg** (accept: **Winnie**)

Double Jump

6. Who announced her second engagement to Ben Affleck in 2022, and filed for divorce from him in 2024?
A: Jennifer **Lopez** (accept: **J-Lo**)
7. What singer was J-Lo married to from 2004 to 2014?
A: **Marc Anthony** (accept: Marco **Antonio** Muniz) (prompt on: Anthony)

Double Jump

8. From what present-day country did the provinces of South Kasai and Katanga secede in the early 1960s, sparking a crisis shortly after its independence from Belgium?
A: **Democratic Republic of the Congo** (accept: the **DRC**) (prompt on: the Congo) (reject: Republic of the Congo)
9. Who was the first prime minister of the Congo, whose efforts to keep the country united led to his being captured and killed by Belgian troops?
A: Patrice **Lumumba**

Set of 4: Cubes

10. How many edges does a cube have?
A: **12**
11. What city contains a black building whose name is Arabic for “cube”?
A: **Mecca**
12. What is the surface area of a cube with side length 2?
A: **24**
13. O'Shea Jackson Sr. adopted what stage name?
A: **Ice Cube**

Jackpot

14. Part 1: Socialite Ruth Harkness was the first person to bring what to the United States, in 1936?
15. Part 2: At a recent Winter Olympics, this animal served as the mascot and wore a suit of ice. At an earlier Summer Olympics, this animal was one of five mascots and represented the black Olympic ring.
16. Part 3: A viral photo of Justin Trudeau with two baby animals of this species was taken after they were born in Canada for the first time in October 2015. A form of diplomacy named after these animals involves sending them to zoos in other countries.
17. Part 4: This animal is the logo of the World Wildlife Fund and is only endemic to small mountainous regions in Western China.
A: **panda** bear (accept: giant **panda**)

Set of 3: Named after an American President

18. Which president names the downtown airport where an American Airlines jet crashed on approach to Washington DC in January?
A: Ronald **Reagan**
19. Which president names a landmark that between 2015 and 2025 was officially known by its native name of Denali?
A: William **McKinley**
20. The St. Regis Toronto and the Paradox Hotel Vancouver were both once named after which president?
A: Donald **Trump**

5-Part Blitz

21. Amy Schumer is “kinda” what, according to the title of a recent Netflix comedy?
A: kinda **pregnant**
22. With a format similar to 24, what medical drama follows emergency room staff for one real-time hour in each episode?
A: *The* **Pitt**
23. What character, originally from movies, was voiced and motion captured by Troy Baker in a 2024 video game titled for “The Great Circle”?
A: **Indiana Jones** (accept either bolded part) (accept: **Indy** Jones)
24. What word refers to the suffering caused by desiring transient things, in Buddhism, Jainism, and Hinduism?
A: **duhkha**
25. What kind of structure contains and vents dangerous gases from chemistry experiments?
A: **fume hood**

END OF FIRST QUARTER

SECOND QUARTER

Splits: Canadian Restaurants & The Ottoman Empire

Canadian Restaurants

26. Jim Treliving owns what restaurant chain, who have jokingly rebranded in the past when the Bruins have been in the playoffs?
A: **Boston Pizza**

27. What kind of glazed raisin-filled pastry was popularized by Tim Hortons, and is occasionally brought back temporarily in retro menus?
A: **dutchie**
28. A separate company from an identically-named American chain, the burger family is a fixture of what restaurant, known for its root beer?
A: **A&W**
29. A rooster on a yellow background is the logo of what ubiquitous Quebecois rotisserie chicken chain?
A: **St-Hubert** BBQ ["saint oo-BARE"]

The Ottoman Empire

30. The Ottoman Empire was once believed to have entered a decline after the death of what sultan, who conquered much of the Balkans in the 1500s?
A: **Suleiman the Magnificent** (accept: **Suleiman I**) (prompt on: **Suleiman**)
31. The period late in Suleiman's life and after his death is known as the "sultanate of" what kind of people, such as Hurrem Sultan, because of their influence in government?
A: Sultanate of **women**
32. What modern-day country contains the westernmost territory ever controlled by the Empire, which swore allegiance to Suleiman when it was known as the Barbary Coast?
A: **Algeria**
33. Historians now agree that the Empire's decline actually began after its second failed attempt to capture what city from the Holy Roman Empire, in 1683?
A: **Vienna**

Double Jump

34. The Poang ["pwang"] armchair, the Klippan sofa, and the Billy bookcase are made by what furniture company?
A: **IKEA**
35. What historical province of Sweden, the home of IKEA, is also used as the name for the children's play area in IKEA stores?
A: **Smaland** ["SMOLE-und"]

Double Jump

36. What scientist discovered that the farther away a galaxy is, the faster it is moving away from us, and is the namesake of a NASA space telescope launched in 1990?
A: Edwin **Hubble**
37. The fact that the measured quantity of the Hubble constant is significantly different depending on whether scientists use local measurements or CMB measurements is a problem known by what name?
A: **crisis in cosmology** (accept: **Hubble tension**)

Set of 3: Icelandic Volcanoes

38. The volcano Snaefellsjokull ["sny-fell-SYOOK-ull"] serves as a subterranean entranceway in what novel by Jules Verne?
A: **Journey to the Centre of the Earth**
39. Now a UNESCO World Heritage Site, what island off Iceland's south coast emerged from the ocean as a result of volcanic eruptions in the 1960s?
A: **Surtsey**
40. Due to its vulcanism and geysers, Iceland gets more than a quarter of its energy from what source?
A: **geothermal** energy/power/electricity

Set of 3: Trios

41. What three different materials were used to build protective houses against the Big Bad Wolf in the Three Little Pigs fairytale?
A: **straw** (accept: **hay**) AND **sticks** (accept: **wood**) AND **brick**
42. The Spinner, the Allotter, and the Inevitable were the roles of what three sisters in Greek myth, who ensured that every living being fulfilled their lot in life?
A: The Three **Fates** (reject: the Three Fate) (accept: the **Moirai**)
43. What kind of animal is depicted covering its eyes, ears, and mouth as a visual representation of the idiom "see no evil, hear no evil, speak no evil"?
A: **monkey** (accept: **ape**)

Linked Set of 7

44. *Seinfeld's* "show about nothing" ethos was exemplified by an episode set at what kind of business, at which the characters spend the whole episode waiting for a table?
A: **Chinese restaurant** (prompt on: **restaurant**)
45. What savoury ingredient does not actually cause headaches, despite the urban legend of "Chinese restaurant syndrome"?
A: **MSG** (accept: **monosodium glutamate**) (reveal: **MSG**)
46. What densely populated island is home to an arena often known by the abbreviation MSG, Madison Square Garden?
A: **Manhattan**
47. Which American state hosted the laboratory that designed and built the first nuclear bombs as part of the Manhattan Project?
A: **New Mexico**
48. Who becomes famous for cooking a potent, pure, blue form of crystal meth in New Mexico on *Breaking Bad*?
A: **Walter White** Sr. (accept: **Walt Sr.**, **Walter Sr.**) (prompt on partial answers) (prompt on: **Heisenberg**) (reveal: **White**)
49. What musician had a smash hit in 1942 with the song "White Christmas"?
A: Bing **Crosby**
50. Since 2007, which NHL team has been captained by Sidney Crosby?
A: **Pittsburgh Penguins** (accept either bolded part)

END OF FIRST HALF

THIRD QUARTER

Splits: Genetics & Sonnets

Genetics

51. The GU AG consensus sequence is the location of what process, the post-transcriptional removal of introns from mRNA?
A: mRNA/intron **splicing** (accept word forms)
52. In a dihybrid cross, if there are 80 F2 offspring, how many are expected to have both dominant phenotypes?
A: **45**

53. What scientist died of ovarian cancer in 1958, and was therefore ineligible to receive a Nobel Prize for her work in elucidating the 3D structure of DNA?
A: Rosalind **Franklin**
54. Leptotene, zygotene, and pachytene are all stages of what phase of meiosis, in which homologous chromosomes pair up and recombination occurs?
A: **prophase 1**

Sonnets

55. Who dedicated a series of sonnets to Laura and gives his name to a form of sonnet pioneered in Italy?
A: Francis **Petrarch** (accept: Francesco **Petrarca**)
56. Give any of the three names used to identify the recurring characters in Shakespeare's sonnets.
A: the **Fair Youth** OR the **Dark Lady** OR the **Rival Poet**
57. Whether Petrarchan or Shakespearean, sonnets generally contain how many lines?
A: **14**
58. Whose forty-third sonnet "from the Portuguese" begins "How do I love thee? Let me count the ways"?
A: Elizabeth **Barrett** Browning (accept: **Elizabeth Browning**, Elizabeth **Moulton-Barrett**) (prompt on: **Browning**)

Set of 3: Katy Perry

59. What is Perry's birth name, which titled her 2001 Christian music debut album?
A: Katy **Hudson** (accept: Katheryn Elizabeth **Hudson**)
60. By far Perry's best-selling album was what 2010 outing, whose title track declares "Let's go all the way tonight, no regrets, just love"?
A: **Teenage Dream**
61. What lead single off of *143* was criticized for the involvement of producer Dr. Luke, whose assault allegations undermined its attempted feminist message?
A: **"Woman's World"**

Jailbreak

62. Alan Cumming hosts what reality show on which the Faithful must work together to discover and eliminate the title group?
A: **The Traitors**
63. What does ALU stand for when referring to part of a computer?
A: **arithmetic logic unit**
64. What first name is shared by a sea captain in *Twelfth Night* and the titular *Merchant of Venice*?
A: **Antonio**
65. Overlooked because of his disabilities, who proved a surprisingly effective emperor after succeeding Caligula in the year 41?
A: **Claudius**
66. What city's subway system was attacked with sarin gas in 1995 by the new religion Aum Shinrikyo?
A: **Tokyo**
67. What anagram of "sauce" means the reason for something?
A: **cause**
68. Brass and bronze each contain what element?
A: **copper** (accept: **Cu**)
69. After his original role was taken over by Joaquin Torres, who now uses the superhero alias Captain America after previously having been known as the Falcon?
A: **Sam Wilson** (accept either bolded part)

70. Who painted *The Creation of Adam* on the ceiling of the Sistine Chapel?
A: **Michelangelo**
71. What national demonym can also mean a blanket or shawl?
A: **Afghan**
72. Who argued that a lack of aggregate demand was the main problem, and had to be countered with government deficit spending, during the Great Depression?
A: John Maynard **Keynes**
73. The Asteroid Belt orbits in between which two planets?
A: **Mars AND Jupiter**
74. 108 number tiles, 28 honour tiles, and optional flower, season, or joker tiles make up the pieces of what game?
A: **mahjong**
75. What country's Walvis Bay is located to the south of the Skeleton Coast?
A: **Namibia**

END OF THIRD QUARTER

FOURTH QUARTER

Jackpot

76. Part 1: What composer wrote a piece that was later transposed from D major to C major in an August Wilhelmj ["vil-HEL-mee"] arrangement that popularized it?
77. Part 2: A performance of one of this composer's pieces in Berlin in 1829 was conducted by Felix Mendelssohn.
78. Part 3: Mendelssohn helped revive this composer's fame after he had been most remembered as an instrumentalist. Wolfgang Schneider later created the BWV catalogue of this composer's music.
79. Part 4: This composer wrote pieces such as the *St. Matthew Passion* and the *Brandenburg Concertos*, considered masterpieces of the Baroque period.
A: Johann Sebastian **Bach**

Streak

80. Aside from China, name up to all three countries that border the East China Sea.
A: **Japan**
A: **South Korea** (accept: **Republic of Korea, ROK**) (reject: Democratic People's Republic of Korea)
A: **Taiwan** (accept: **Republic of China, ROC**) (reject: People's Republic of China)

Streak

82. Aside from Peru, which uses two versions of its flag, name up to every country whose flag consists of a plain, unadorned vertical white stripe between two other vertical stripes.
A: **France**
A: Republic of **Ireland**
A: **Italy**
A: The **Ivory Coast** (accept: **Côte d'Ivoire**)
A: **Nigeria**

Streak

84. Identify up to any four letters that can be added to the start of the word "rate" to create an English word.

A: **C**

A: **G**

A: **I**

A: **O**

A: **P**

Set of 3

86. The laws of physics being the same in all inertial reference frames and the speed of light being constant for all observers are the two defining postulates of what theory?

A: **special theory of relativity** (accept: theory of **special relativity**) (prompt on: theory of relativity)

87. According to special relativity, what dilates for an observer moving at a high speed, leading to strange outcomes like the twin paradox?

A: **time**

88. What mathematician developed the four-dimensional model of spacetime that accounts for relativistic effects like time dilation and length contraction?

A: Hermann **Minkowski**

12-Part Blitz

89. Who first appeared in *Action Comics #1*, where he is seen on the cover lifting a car?

A: **Superman** (accept: **Clark** Kent) (prompt on: **Kent**)

90. Along with the preceding Paracas culture, what culture created designs like "the monkey" in a series of geoglyphs known as their namesake "lines"?

A: **Nazca** culture

91. What two-word term refers to the smaller-than-expected size of atomic radii as more electrons fill out the 4f orbital?

A: **lanthanide contraction**

92. In what country do underemployed youth known as freeters reject the societal expectation to become salarymen?

A: **Japan**

93. Along with Derek Thompson, who expounded on his vision of "supply-side progressivism" in the recent book *Abundance*?

A: Ezra **Klein**

94. What G-league player in the Orlando Magic system has won the past three NBA All-Star Weekend Slam Dunk Contests?

A: Mac **McClung**

95. What is the largest city outside of Asia, located between Curitiba and Rio de Janeiro?

A: **Sao Paulo**

96. After young artists including Camille Pissaro and Claude Monet had many of their paintings rejected by the Salon de Paris, Napoleon III founded what other exhibition to allow them to display their work?

A: **Salon des Refusés**

97. What Chinese word can be used in folk religion or traditional medicine to refer to one's vital life force, and is literally translated as "air"?

A: **qi** ["chee"]

98. In what film does a race called the Boonta Eve Classic play a major role, wherein Sebulba is defeated by Anakin Skywalker?
A: *Star Wars: Episode I - The **Phantom Menace*** (accept: **Star Wars: Episode I**, **Star Wars I**, **Star Wars: The Phantom Menace**)
99. A sultanate centred on what city was ruled by the Lodi dynasty until it was conquered by the Mughal Empire?
A: **Delhi**
100. The 2007 map Dustbowl is a classic setting of what first person shooter that features classes like Pyro and Demoman?
A: **Team Fortress 2** (accept: **TF2**)

END OF GAME