



## 2024-25 High School Championship (T3) – Pack 17

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**Head Editor:** *Paul Kasiński*

**Writers/Editors:** *Odin Fisher-Skau, Max Gedajlovic, Ian Greig, Paul Kasiński, Yadu Kukenthiran, Jenny Mao, Malhaar Moharir, Jack van Nostrand, Ryan Sharpe, Joe Su, Isaac Thiessen, Zhongtian Wang, Adrian Wong*

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# PACK 17

## 5-Part Blitz

1. After Great Bear and Great Slave lakes, what is the next-largest lake entirely in Canada?  
A: Lake **Winnipeg**
2. What show's fourth season focuses on the protagonist's conflict with church deacon Arthur Mitchell, who secretly operates as the Trinity Killer?  
A: ***Dexter***
3. What sartorial nickname was given to the radical lower class of Paris during the French Revolution?  
A: **sans-culottes**
4. What AI controls locations like Citadel Station and the spaceship Von Braun in the *System Shock* series?  
A: **SHODAN** (accept: **Sentient Hyper-Optimized Data Access Network**)
5. Singular matrices have what value for the determinant?  
A: **0**

## Double Jump

6. After being punished for causing too much commotion running around home in a wolf suit, Max gets transported to a mysterious island full of playful monsters in what picture book by Maurice Sendak?  
A: ***Where the Wild Things Are***
7. When Max returns home at the end of the book, what does he find waiting for him?  
A: his hot **supper/dinner/food/meal**

## Double Jump

8. In what 2022 sequel are Hangman and Rooster rivals at training school, where they are trained by a pilot played by Tom Cruise?  
A: ***Top Gun: Maverick*** (prompt on: *Maverick*)
9. Name either of the actors who play Hangman and Rooster in *Top Gun: Maverick*.  
A: Miles **Teller** OR Glen **Powell**

## Set of 4: Mental Math

10. Not including jokers, six standard playing card decks have how many cards?  
A: **312**
11. How many red stripes are on a dozen American flags?  
A: **84**
12. How many years after the British North America Act was the Constitution Act signed?  
A: **115**
13. In the NHL, what is the maximum number of regular season and playoff games that a team can play in a single season?  
A: **110**

## Jackpot

14. Part 1: In their most famous song, the singer of Bran Van 3000 asks herself "What the hell am I doing drinking in" what place?
15. Part 2: The lyrics "someone's always coming 'round here, trailing some new kill" open an Elliot Smith song titled for this place that sarcastically remarks "so glad to meet you".
16. Part 3: On his only song featuring Kendrick Lamar, Kanye West begs "please, baby, no more parties in" this city.
17. Part 4: Miley Cyrus "hopped off the plane" at this city's airport in the opening line of "Party in the USA".  
A: **Los Angeles** (accept: **LA**)

## Set of 3: Numbers in Population

18. From 1979 to 2015, how many children were most urban Han people allowed to have in Mainland China?  
A: **1**
19. To one decimal place, how many children must the average woman in a developed country have in order for the population size to remain stable?  
A: **2.1**
20. The death rate begins to fall while the birth rate remains high in which numbered stage of the demographic transition model?  
A: stage **2** (accept: **second** stage, the **second** one)

## 5-Part Blitz

21. In 2019, the Kuiper Belt object Arrowkoth was visited by what spacecraft, several years after it had performed a flyby of Pluto?  
A: **New Horizons**
22. An orange "O", a green cross, and a yellow diamond are among the symbols that appear on what game's cards, which prompt players to name something from a given category?  
A: **Anomia**
23. What country's Lake Vanern is the largest in the European Union?  
A: **Sweden**
24. Roughly collinear with the two stars farthest from the handle in the Big Dipper, what is the current North Star?  
A: **Polaris**
25. What Aztec god corresponds to Chaac, the Mayan rain god?  
A: **Tlaloc**

## END OF FIRST QUARTER

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## SECOND QUARTER

### Splits: Pablo Picasso & the Inca

#### Pablo Picasso

26. Although he grew up in Malaga and Barcelona, Picasso spent most of his life living in what city?  
A: **Paris**

27. *La Vie* and *The Old Guitarist* are two of the main paintings from what period of Picasso's career, characterized by melancholy depictions of unfortunate people?  
A: **blue** period
28. What kind of people are depicted in many of Picasso's rose period works, such as *Family of Saltimbanques*?  
A: **clowns** (accept: **harlequins, jesters, circus performers**)
29. Though he almost always painted in colour, what famous painting by Picasso used only black, white, and grey for its massive canvas?  
A: ***Guernica***

### The Inca

30. The Incan Empire was centred on what modern-day country?  
A: **Peru**
31. The Empire originated as a small kingdom surrounding what city, which would remain its capital?  
A: **Cuzco**
32. What was the lingua franca of the Empire?  
A: Classical **Quechua**
33. What full name was shared by the last Sapa Inca, who ruled a rump state deep in the Andes, and a Quechuan independence fighter from the late 1700s?  
A: **Tupac Amaru**

### Double Jump

34. How many moles of hydrogen are in one mole of methane?  
A: **4**
35. You will have 5 seconds. Assuming the most common isotopes, what fraction of the mass of a methane molecule is hydrogen?  
A: **1/4**

### Double Jump

36. Which two Greek letters are used in the Book of Revelation to symbolize Jesus, because he is said to be the beginning and end of everything?  
A: **alpha** AND **omega**
37. Which two Greek letters were used by the forces of Constantine to symbolize Jesus, based on the first two letters of the Greek word for Christ?  
A: **chi** ["KY"] AND **rho**

### Set of 4

38. What term refers to a musical that does not use original music, instead using existing popular music?  
A: **jukebox** musical
39. What fictional girl group sings "Super Trouper" in the ABBA jukebox musical *Mamma Mia*?  
A: **Donna and the Dynamos**
40. What singer-songwriter's music was used in the well-received *Girl From the North Country* and the universally panned *The Times They Are A-Changin'*?  
A: Bob **Dylan**
41. A 2018 stage adaptation of what 2001 jukebox musical film by Baz Luhrmann is set in a Parisian cabaret known for its red windmill?  
A: ***Moulin Rouge!***

### Set of 5: Word Ladder

The answer to each question will be a word that differs by one letter from the previous answer. All words w

42. A large number of threads are stretched across a series of bars on what cloth-making device?

A: **loom**

43. The "common" variety of what diving bird can be found on the Canadian 1 dollar coin?

A: **loon**

44. Shootouts in Westerns often take place at what time of day?

A: **noon**

45. What element is the fifth-most abundant in the universe?

A: **neon**

46. What word refers to a menial labourer of low social status?

A: **peon**

### Linked Set of 4

47. In what kind of data structure do elements store both a value and a reference to the next element?

A: singly **linked list**

48. In what video game series does the player control a character named Link?

A: *The* **Legend of Zelda**

49. What famous American author was married to a woman named Zelda Sayre?

A: F. Scott **Fitzgerald**

50. What nursery rhyme was set to music in a breakout 1938 recording by Ella Fitzgerald?

A: **"A-Tisket, A-Tasket"**

## END OF FIRST HALF

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## THIRD QUARTER

### Splits: Medical Scandals & Poetry

#### Medical Scandals

51. Who was convicted of fraud after making false claims that a finger-prick of blood was all that her company Theranos needed to run tests?

A: Elizabeth **Holmes**

52. What untreated disease killed more than one hundred Black men after they had been tricked into participating in the Tuskegee Experiment?

A: **syphilis**

53. During her treatment for cervical cancer in Baltimore, whose cells were unknowingly cultured by researchers to create the cell line HeLa?

A: Henrietta **Lacks**

54. Children with teratogenic deformities were born after their mothers used what drug during their pregnancies, which was prescribed for morning sickness in the 1950s?

A: **thalidomide**

## Poetry

Given the first three words of a poem, give the last three words of that poem.

55. We real cool.  
A: **We die soon**
56. Two roads diverged.  
A: **all the difference**
57. Tyger Tyger, burning.  
A: **thy fearful symmetry**
58. In Flanders fields.  
A: **in Flanders fields**

## Set of 3: Faster than Light in Fiction

59. Proton-sized supercomputers called Sophons enable faster-than-light communication for the Trisolarans in what novel by Liu Cixin ["lyoo TSEE-sheen"]?  
A: *The **Three-Body Problem***
60. In what franchise does a human named Zefram Cochrane invent the warp drive, prompting the Vulcans to visit Earth?  
A: **Star Trek**
61. What series features a starship named Heart of Gold, which is equipped with the first ever Infinite Improbability Drive?  
A: *The **Hitchhiker's Guide to the Galaxy***

## Jailbreak

62. Name either of the two internationally unrecognized People's Republics established by Russia in the aftermath of its 2022 invasion of Ukraine.  
A: **Donetsk** People's Republic (prompt on: DPR) OR **Luhansk** People's Republic (accept: **Lugansk** People's Republic) (prompt on: LPR, LNR)
63. What term refers to the generation of light through scratching, ripping or rubbing?  
A: **triboluminescence** (accept: **triboluminescent**)
64. Under dictator Kwame Nkrumah, what became the first sub-Saharan African country to gain independence, after having been a British colony known as the Gold Coast?  
A: **Ghana**
65. What word refers to the highest exponent in a given polynomial?  
A: **degree** (accept: **order**)
66. The Strait of Canso separates the rest of Nova Scotia from what island?  
A: **Cape Breton** Island
67. What "G"-word means a professional who creates autobiographies for other people?  
A: **ghostwriter**
68. Isla ["EYE-luh"] Gordon becomes president of the Los Angeles Waves in what Netflix series about professional basketball?  
A: **Running Point**
69. What does a numismatist collect?  
A: **coins** (prompt on: money, cash)
70. What is the largest country in Africa?  
A: **Algeria**
71. What word refers to the field of philosophy that studies taste and beauty?  
A: **aesthetics** (reject: aesthetic)

72. Who designed the Bombe ["bomb"] machine while working at Bletchley Park, helping to decipher Germany's Enigma code?  
A: Alan **Turing**
73. What English title is shared between a piece by Telemann with movements named for Thetis, Neptune, and Triton, and a piece by Handel that was composed for a performance on the River Thames?  
A: **Water Music**
74. What is the world's most populous Muslim-majority country?  
A: **Indonesia**
75. Kent, Ataulfo, and Alphonso are varieties of what fruit?  
A: **mango**

## END OF THIRD QUARTER

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## FOURTH QUARTER

### Jackpot

76. Part 1: What company ran an advertisement in 2002 known as "Scorpion KO" or "The Cage"?
77. Part 2: Many advertisements for this company use black and white photos of a man with the tagline "We are all witnesses". This company ran a 2010 ad called "Write the Future" and an earlier series of its commercials used the slogan "Bo knows".
78. Part 3: This company's slogan comes from death row inmate Gary Gilmore's last words. Another commercial for this company ends with a man saying "I've failed over, and over, and over again in my life, and that is why I succeed".
79. Part 4: Tiger Woods, LeBron James, and Michael Jordan have all been sponsored by this sports apparel company, whose slogan is "Just do it".  
A: **Nike**

### Streak

80. Name up to all of the Formula 1 drivers who have won at least four World Drivers' Championships.  
A: **Michael Schumacher** (prompt on: Schumacher)
- A: Lewis **Hamilton**
- A: Juan Manuel **Fangio**
- A: Alain **Prost**
- A: Sebastian **Vettel** (accept: Seb **Vettel**)
- A: Max **Verstappen**

### Set of 3: Asian Monarchies

83. Druk Gyalpo, or "Dragon King", is the title held by the leader of what small country ruled by the Wangchuck dynasty?  
A: **Bhutan**
84. What flower names the throne on which the Emperor of Japan sits?  
A: **chrysanthemum**
85. What country's kings are elected by the Conference of Rulers, a body composed of nine sultans of states including Selangor, Penang and Sarawak?  
A: **Malaysia**

### Set of 3: Evolution

86. What noun refers to an allele's ability to pass itself on to future generations?  
A: **fitness**
87. What kind of diagram shows the evolutionary relationships between a group of related species?  
A: **phylogenetic tree** (accept: **cladogram**)
88. What kind of natural selection favours more extreme values for a trait over medium ones?  
A: **disruptive** selection (accept: **diversifying** selection)

### 12-Part Blitz

89. What is the lightest element whose isotopes are all radioactive?  
A: **technetium** (accept: **Tc**)
90. The mouths of the Douro and Tagus rivers can both be found in what European country, in the cities of Porto and Lisbon respectively?  
A: **Portugal**
91. A tuba often named for what composer is prominently used in the works of other composers such as Anton Bruckner and Richard Strauss?  
A: Richard **Wagner**
92. What term refers to a sudden reversal of a river's flow due to rising tides?  
A: tidal **bore**
93. What does the acronym "NEET" stand for?  
A: **not** in **education, employment, or training** (accept: **not** in **employment, education, or training**)
94. What is the most populous city in Queensland?  
A: **Brisbane**
95. Bill Murray and Scarlett Johansson play two strangers coping with alienation in Tokyo in what 2003 movie?  
A: **Lost in Translation**
96. What four-letter word is the name of the cloth that covers a casket at a funeral, and partially names the people who carry a coffin?  
A: **pall**
97. What word means to dissipate the energy in an oscillating system?  
A: **damp** (accept: **damping, damp, damped**) (reject: **dampen**)
98. Often used in conjunction with foundation, what kind of cosmetic product is intended to hide facial imperfections such as blemishes and dark circles?  
A: **concealer**
99. Lago Cocibolca ["Cotch-ee-BOLL-cuh"] is the local name for what largest lake in Central America?  
A: Lake **Nicaragua**
100. Though China's Three Kingdoms period lasted for 60 years, what neighbouring region had a concurrent Three Kingdoms period that lasted about 10 times as long?  
A: **Korean** Peninsula

**END OF GAME**