



2023-24 High School Championship (T4) – Pack 1

Head Editor: *Paul Kasiński*

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

PACK 1

5-Part Blitz

1. The fake HGTV show *Fliplanthropy* features on what black comedy television show starring Nathan Fielder and Emma Stone?
A: *The **Curse***
2. What novel, often credited with helping spark the American Civil War by building abolitionist sentiment, was written by Harriet Beecher Stowe?
A: ***Uncle Tom's Cabin***
3. The video game studio Valve is often jokingly said to be unable to count to what number, on account of their many franchises which fail to reach this number of entries?
A: **3**
4. "London" sometimes precedes the 5-letter name of what city, the second largest in Northern Ireland?
A: **Derry** (accept: **Londonderry**)
5. A gesture from what series has been adopted by protestors in Thailand and Myanmar as a symbol of democracy and revolution?
A: *The **Hunger Games*** series/trilogy/books/movies/films

Double Jump

6. What musical follows a socially awkward boy who manufactures a friendship with the deceased Connor and wears a cast on his arm from falling out of a tree?
A: ***Dear Evan Hansen***
7. What musical follows a socially awkward boy who takes a pill that implants a robot in his head that teaches him how to become popular?
A: ***Be More Chill***

Double Jump

8. What author opened with the line "It was a queer, sultry summer, the summer they executed the Rosenbergs" in her novel *The Bell Jar*?
A: Sylvia **Plath**
9. Sylvia Plath was a member of what poetic movement that focused on personal trauma and included members like John Berryman and Anne Sexton?
A: **confessional** poetry

Set of 4: Surgeries

10. What is the common name for an ulnar collateral ligament reconstruction, so named for the Major League pitcher who first underwent it?
A: **Tommy John** surgery (prompt on: TJ)
11. What part of the body does a rhinoplasty alter?
A: **nose**
12. What type of surgery was first performed on Louis Washkansy by Christiaan Barnard?
A: **heart transplant** surgery (accept: **cardiac transplant** surgery)

13. In 2000, Ines Ramirez Perez performed what kind of surgery on herself?
A: **Caesarean** section/birth/delivery (accept: **c-section**)

Jackpot

14. Part 1: What is the derivative of $\tan x$ at x equals π over 4?
15. Part 2: This number is the secant of 5π over 3.
16. Part 3: This is the secant of 60 degrees.
17. Part 4: This number is the hypotenuse of a triangle whose other sides are 1 and the square root of 3.
A: **2** (accept: **2 over 1**)

Set of 3: Biblical Scenes in Art

18. The refectory of the Santa Maria del Grazie houses a painting of what scene by Leonardo Da Vinci?
A: the **last supper**
19. Fra Angelico and Leonardo produced notable versions of what scene, in which Gabriel informs Mary that she will bear the infant Jesus?
A: the **annunciation**
20. Paolo Veronese produced the best known version of what biblical scene, depicting an event where Jesus turned water into wine?
A: the **wedding at Cana** (prompt on: wedding)

5-Part Blitz

21. What Chinese city, a major tech hub, links Hong Kong to China's mainland?
A: **Shenzhen**
22. What word refers to a frame in which two shots were used to knock down all of the pins in bowling?
A: **spare**
23. Having already been suspended since 2021, Niger, Burkina Faso, and Mali all recently quit what regional political and economic bloc?
A: **Economic Community of West African States** (accept: **ECOWAS**)
24. What large bay is found in northern Quebec near the border with Labrador?
A: **Ungava** Bay
25. A Quebecois terrorist group known in English as the "wheelchair assassins" appears in what notoriously complex novel by David Foster Wallace?
A: **Infinite Jest**

END OF FIRST QUARTER

SECOND QUARTER

Splits: Romantic Dramas & Moons

Romantic Dramas

26. What short story by Annie Proulx was adapted into a 2005 movie of the same name directed by Ang Lee and starring Jake Gyllenhaal and Heath Ledger?
A: **"Brokeback Mountain"**

27. Who starred as Allie Calhoun, the female lead of *The Notebook*?
A: Rachel **McAdams**
28. *The Price of Salt* inspired what 2015 romance film starring Rooney Mara and Cate Blanchett?
A: ***Carol***
29. What trilogy helmed by Richard Linklater has films partially titled *Sunrise, Sunset, and Midnight*?
A: ***Before*** Trilogy

Moons

30. What twin sons of Aphrodite and Ares give their name to the two moons of Mars?
A: **Phobos AND Deimos**
31. The only moon in the Solar System whose barycentre with its planet lies outside of the planet is what largest moon of Pluto?
A: **Charon**
32. Where does Earth's moon rank in an ordered list of moons in the Solar System by radius?
A: **fifth** (accept: number 5)
33. Characters from what play lend their names to the two largest moons of Uranus?
A: A ***Midsummer Night's Dream***

Double Jump

34. What French ruler was also known as the "Sun King"?
A: **Louis XIV** (prompt on: Louis)
35. Louis XIV waged what war against a Grand Alliance, whose North American theatre was known as King William's War?
A: **Nine Years' War**

Double Jump

36. Photosynthesis produces what sugar, which has an elevated presence in the blood of diabetic people?
A: **glucose**
37. What polymer consists of units of D-glucose connected by beta-1-4 linkages, also known as glycosidic linkages?
A: **cellulose**

Set of 4: Auctions

38. Common at fundraising events, participants write down their bids on a piece of paper at what kind of auction?
A: **silent** auction
39. A broken laser pointer was the first item sold on what online platform, launched in 1995 under the name AuctionWeb?
A: **eBay** (accept: **ebay.com**)
40. What two-word term refers to the minimum value of a bid needed in order for it to be accepted by the seller?
A: **reserve price**
41. The asking price is repeatedly lowered until somebody accepts it in what kind of auction?
A: **Dutch** auction

Set of 3: Approximate Science

42. Within 5, what is the standard atomic mass of iron?
A: **56** (accept answers from **51** to **61**)
43. Within 1 billion, the lambda-CDM model estimates that the universe is currently how many years old?
A: **13.8 billion** years (accept answers from **12.8 billion** years to **14.8 billion** years)
44. Within half a kilogram, what is the average birth weight for Canadian babies, according to Stats Canada?
A: **3.367** kilograms (accept answers from **2.867** kilograms to **3.867** kilograms)

Linked Set of 6

45. Restaurants are given one, two or three stars to denote excellence in what world-famous guide?
A: **Michelin** Guide
46. What kind of objects are the main product of the Michelin company?
A: **tires**
47. What American engineer developed the process of vulcanizing rubber that is used in making tires?
A: Charles **Goodyear**
48. What gas is used to inflate the advertising blimps used by Goodyear?
A: **helium** gas (accept: **He**)
49. What kind of particle emitted in radioactive decay is identical to a helium nucleus?
A: **alpha** particle
50. In the Book of Revelation, what figure is referred to as "the alpha and the omega"?
A: **God** (accept: **Jesus, Christ**)

END OF FIRST HALF

THIRD QUARTER

Splits: Spelling & Conflicts of the Cold War

Spelling

Given the definition of a word and then the word, spell it.

51. It means an alignment between three or more celestial bodies: spell syzygy ["SIZ-uh-jee"].
A: **S-Y-Z-Y-G-Y**
52. It means a person who continues to commit crimes after having been punished: spell recidivist ["ress-ID-iv-ist"].
A: **R-E-C-I-D-I-V-I-S-T**
53. It means unable to be stopped or subdued: spell indomitable.
A: **I-N-D-O-M-I-T-A-B-L-E**
54. It means bubbly or fizzy: spell effervescent.
A: **E-F-F-E-R-V-E-S-C-E-N-T**

Conflicts of the Cold War

55. In August 1968, what country was invaded by its nominal allies in the Warsaw Pact as a reaction to the Prague Spring?
A: **Czechoslovakia**
56. In what country was a civil war fought between UNITA and the MPLA, continuing out of their rivalry in the independence war against Portugal?
A: **Angola**

57. Argentina's "Dirty War" and the repressions of Chilean dictator Salvador Allende were enabled by what US-sponsored covert operation?
A: Operation **Condor**
58. Often referred to by US soldiers as "Victor Charlie", what communist group fought an insurgency against South Vietnam?
A: **Viet Cong** (accept: **National Liberation Front** of South Vietnam)

Set of 3

59. What hyphenated term is often used to refer to the contemporary economies of countries like Canada, in which manufacturing has declined and become a much smaller sector of the economy?
A: **post-industrialized**
60. Which of the three traditional sectors is by far the largest in post-industrialized economies?
A: **services** sector (accept: **tertiary** sector)
61. What nickname is given to the region around the Great Lakes in the United States, where the decline of manufacturing has led to impoverishment and population loss since the late 20th century?
A: **Rust Belt**

Jailbreak

62. What composer wrote the *Death and the Maiden* string quartet?
A: Franz **Schubert**
63. Calculated by integrating an infinitesimal mass times radius squared, what quantity measures the resistance of an object to rotational motion?
A: **moment of inertia**
64. In 1962, who took over from Jack Paar as host of *The Tonight Show*, holding the post until 1992?
A: Johnny **Carson**
65. Replacing Calibri in 2023, what is Microsoft Word's default font?
A: **Aptos**
66. In what country would you find the world's deepest lake, Lake Baikal?
A: **Russia**
67. What adjective was used to describe American socialite Molly Brown, who survived a 1912 disaster on a ship that ironically was also described by this adjective?
A: **unsinkable**
68. What term refers to compounds that have the same chemical formula but differ in structure?
A: **isomers**
69. The player can expend Soul Cards on powerful attacks or special movement abilities in what fast-paced shooter, whose protagonist competes for the Mechanical Halo by battling demons in Heaven?
A: **Neon White**
70. An alien race called the Tralfamadorians feature in what novel, partially set during the bombing of Dresden, and written by Kurt Vonnegut?
A: **Slaughterhouse-Five**
71. What is the only mythical animal in the Chinese zodiac?
A: **dragon**
72. Who is said to have caused inflation in the Middle East by giving out so much gold on his hajj in 1324?
A: Mansa **Musa**
73. What platform at King's Cross Station takes students to Hogwarts every September?
A: platform **nine and three quarters**
74. Except for its border jurisdictions, which is the only Canadian province that uses Daylight Savings Time throughout the year?
A: **Saskatchewan**

75. Because their religion had fewer rules against usury, members of what group often served as bankers in premodern Europe?
A: **Jews** (accept: **Jewish** people)

END OF THIRD QUARTER

FOURTH QUARTER

Jackpot

76. Part 1: What is the first name of the musician who fronted the blues rock group Double Trouble until their untimely death in a helicopter crash in 1990?
77. Part 2: This is the first name of a musician who repeated "just like the white-winged dove" on the biggest track from their debut solo album *Bella Donna*.
78. Part 3: A third musician with this first name has won a record 25 Grammy awards, and is behind the songs "Higher Ground" and "Isn't She Lovely".
79. Part 4: This first name is shared by the artists behind the songs "Pride and Joy", "Edge of Seventeen", and "Superstition", with the respective surnames Vaughan, Nicks, and Wonder.
A: **Stevie**

Set of 5: The Ancient Middle East

80. Name both rivers around which the Mesopotamian civilization flourished.
A: **Tigris** River AND **Euphrates** River
81. The quality of what metal was the subject of a complaint by Nanni, written on a clay tablet to the Sumerian merchant Ea-nasir?
A: **copper**
82. What huge, multi-level stone structures did many Mesopotamian cultures build as religious centres?
A: **ziggurats**
83. The Hanging Gardens of Babylon were built by what king, who conquered Tyre and destroyed Jerusalem, beginning the Babylonian Captivity of the Jews?
A: **Nebuchadnezzar the Great** (accept: **Nebuchadnezzar II**) (prompt on: **Nebuchadnezzar**)
84. After the Babylonian captivity, what other Semitic language gradually displaced Hebrew as the main language of the Jews, and was notably spoken by Jesus?
A: **Aramaic** (reject: **Amharic**)

Set of 4: World Cup Formats

85. The last 7 World Cups each featured how many teams?
A: **32**
86. The winners of the 2026 World Cup will play how many games in the tournament, one more than any team in any World Cup so far?
A: **8**
87. In what year did the second round consist of four groups of three teams each, with the winner of each group advancing to the semifinals?
A: **1982** (prompt on: '82)
88. What country hosted the only World Cup without a final, though the ending group stage produced a de facto final, in which these hosts lost in a stunning upset to Uruguay?
A: **Brazil**

12-Part Blitz

89. Found in the name of Mexico's capital, what is the Spanish word for "city"?
A: **ciudad**
90. Cyclops, by Euripides, is the only surviving example of what kind of Ancient Greek play, named for the mythological creatures that served as its chorus?
A: **satyr** plays
91. What British fashion designer was known for his elaborate and theatrical runway shows, which often featured performance art and were inspired by concepts such as bullfighting?
A: Alexander **McQueen**
92. Who is the chairman and president of Loblaw Companies?
A: Galen **Weston** Jr.
93. What artistic technique uses repeated parallel lines to create shading effects?
A: cross-**hatching**
94. Occupied continuously since 1967, what is the larger of the two Palestinian territories?
A: **West Bank**
95. Hands like 9 and 8 of clubs, which share a suit and are one rank apart, are given what name in Texas Hold'em?
A: **suited connectors**
96. Sergeant Snorkel is the commanding officer of what lazy soldier, the titular protagonist of a Mort Walker comic strip?
A: **Beetle Bailey** (accept either bolded part)
97. Jacqueline du Pré and Yo-Yo Ma are virtuosos on what instrument?
A: **cello**
98. The Bhagavad Gita is a subsection of what larger Hindu epic, focused on the Kurukshetra war between the Pandavas and Kauravas?
A: *The* **Mahabharata**
99. The political parties FRELIMO and RENAMO operate in what African country, whose capital is Maputo?
A: **Mozambique**
100. What country lays claim to the Aland ["OH-land"] islands?
A: **Finland**

END OF GAME