



2024-25 Post-Secondary Championship (T3) – Pack 16

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*

PACK 16

5-Part Blitz

1. Discovered by Giuseppe Piazzi using calculations from Carl Gauss, what is the largest asteroid in the solar system?
A: **Ceres**
2. Across the Nile from Khartoum, what is Sudan's second-largest city?
A: **Omdurman**
3. What word can refer to the snout of a dog, or to a guard placed over it to stop the dog from biting?
A: **muzzle**
4. What game sees players take turns acting as the "storyteller" and attempting to describe dreamlike images on cards so that some, but not all, other players can identify the card?
A: **Dixit**
5. Name either singer behind the 2014 country duet "Somethin' Bad".
A: Carrie **Underwood** OR Miranda **Lambert**

Double Jump

6. In a December 1808 benefit concert in Vienna, who premiered his Choral Fantasy alongside his Pastoral and Fate symphonies?
A: Ludwig van **Beethoven**
7. The concert hall that the performance was held in was owned in part by what Beethoven collaborator, also the librettist for Mozart's *Magic Flute*?
A: Emanuel **Schikaneder**

Double Jump

8. A carbon-carbon double bond defines what family of hydrocarbons?
A: **alkenes**
9. Also known as cumulated dienes, what family of hydrocarbons is defined by having two consecutive carbon-carbon double bonds?
A: **allenes**

Set of 4

10. What organization bribed Mir Jafar to betray Siraj-ud-Daulah, leading to their victory at the Battle of Plassey and the start of their rule in India?
A: **British East India Company** (prompt on: East India Company, BEIC)
11. Ruled by Siraj-ud-Daulah and then Mir Jafar, what was the first region of India controlled by the British East India Company?
A: **Bengal**
12. What kingdom opposed company rule with relatively advanced rocket artillery and the leadership of Hyder Ali and Tipu Sultan, but was eventually conquered in 1799?
A: **Mysore**

13. Better known for his effective governance of the Company's territories, what British leader defeated Tipu Sultan in the third Anglo-Mysore War, a few years after surrendering to George Washington at Yorktown?
A: Charles **Cornwallis** (accept: the Earl/Marquess **Cornwallis**)

Jackpot

14. Part 1: According to Pliny the Elder, one of what events was said to have lasted for almost one year after the death of Julius Caesar?
15. Part 2: During Ragnarok, this kind of event takes place when the wolf Skoll catches and devours his prey.
16. Part 3: The Mayans developed calendars which accurately tracked and predicted these events, including one that would take place centuries later in 1991.
17. Part 4: Often interpreted as a divine omen in many ancient civilizations, this type of celestial event takes place when the Moon passes between the Earth and the Sun.
A: **solar eclipse** (prompt on: eclipse)

Set of 3: Earthquakes

18. Both the 1906 San Francisco earthquake and the 1989 Loma Prieta earthquake resulted from movements of what major fault?
A: **San Andreas** Fault
19. Deep focus earthquakes below subduction zones take place in what doubly-eponymous locations?
A: **Wadati-Benioff** seismic **zones**
20. What was the main country devastated by a March 2011 earthquake and resulting tsunami?
A: **Japan**

5-Part Blitz

21. What chain of limestone shoals connects Mannar Island to Pamban Island, and was formerly a land connection between modern-day India and Sri Lanka?
A: **Adam's Bridge** (accept: **Rama's Bridge**)
22. What is the area of a square whose diagonal has length $3\sqrt{2}$?
A: **9**
23. What American company is known for making optical machines that can mark bubbled-in multiple choice test questions?
A: **Scantron** Corporation
24. What three adjectives do historians use for the three main periods of the Ancient Egyptian monarchy?
A: **old** AND **middle** AND **new**
25. The namesake Iranian ethnic group forms a plurality in what southwestern province of Pakistan?
A: **Balochistan/Baluchistan**

END OF FIRST QUARTER

SECOND QUARTER

Splits: French Terms Used in English & 9/11

French Terms Used in English

Given the definition of a French term in common English usage, give the term.

26. A synonym for "en vogue", or, in the context of cooking, a dessert served with ice cream.
A: **à la mode**
27. A female character, perhaps villainous, who uses her sexuality to manipulate men into dangerous situations.
A: **femme fatale**
28. An intimate conversation or meeting between two people.
A: **tête-à-tête**
29. As opposed to those who inherited money, a social class that has only recently acquired their wealth and spends it conspicuously.
A: **nouveau riche**

9/11

30. Richard Drew took what photograph of a person jumping from the North Tower?
A: **The *Falling Man***
31. The population increased by two thirds in what town during Operation Yellow Ribbon when its airport took in many American planes, as depicted in *Come From Away*?
A: **Gander**
32. Currently on trial at Guantanamo Bay, who was the chief planner of the attacks?
A: Khalid Sheikh **Mohammed** (accept: **KSM**)
33. Both planes that struck the World Trade Center departed from what city?
A: **Boston**

Double Jump

34. What author wrote about the exploits of the titular character and his friends from Camp-Half Blood in the *Percy Jackson & the Olympians* series?
A: Rick **Riordan**
35. What other series by Riordan centres on the titular demigod orphan and is based on Norse mythology?
A: **Magnus Chase and the Gods of Asgard**

Double Jump

36. *Wild World*, *City Folk*, *New Leaf*, and *New Horizons* are entries in what video game series?
A: **Animal Crossing**
37. Though *New Horizons* introduced a secondary currency called Nook Miles, what is *Animal Crossing*'s main in-game currency?
A: **bells**

Set of 4

38. For how many consecutive nights does a king decide to postpone his wife's execution because she keeps leaving stories on cliffhangers that he wants to hear resolved?
A: **1001** nights
39. What wife of King Shahryar tells the stories in the frame narrative?
A: **Scheherazade**

40. In a mystery story in the collection, an ill woman requests three of what food item from her husband?
A: **apples**
41. "Aladdin and the Wonderful Lamp" and "Ali Baba and the Forty Thieves" are among the famous stories only added to the collection by what 18th-century French translator?
A: Antoine **Galland**

Set of 5

42. What question did Haddaway ask just before singing "baby, don't hurt me"?
A: **What is love?**
43. What is love, according to a song that declares "We are strong / No one can tell us we're wrong", by Pat Benatar?
A: love is a **battlefield**
44. Love means what six-word phrase, according to an iconic line from the movie *Love Story*?
A: **never having to say you're sorry**
45. What two adjectives are used to describe love in a frequently quoted passage from Paul's Epistle to the Corinthians?
A: **patient** AND **kind**
46. What is love, according to Vanessa and Nick Lachey ["la-SHAY"] on a reality TV show they co-host?
A: love is **blind**

Linked Set of 4

47. Four of what time periods make up a fiscal year?
A: fiscal **quarters**
48. In the NBA, how many minutes make up one quarter of play?
A: **12** minutes
49. What organization created a recovery system known as the 12-step program?
A: **Alcoholics Anonymous** (accept: **AA**) (reveal: **Alcoholics Anonymous**)
50. What historical figure's face adorns the masks often worn by members of the hacking group Anonymous?
A: Guy **Fawkes**

END OF FIRST HALF

THIRD QUARTER

Splits: Animals Named for Other Animals & Dutch Art

Animals Named for Other Animals

51. A large proboscis capable of producing loud roaring noises is a notable characteristic of what kind of seal?
A: Northern/Southern **elephant** seal
52. House plants are often attacked by what tiny herbivorous arachnids, mainly noticeable by their defensive silk webs?
A: **spider mites**
53. What is the smallest species of hummingbird?
A: **bee** hummingbird
54. Bull, zebra, tiger, and whale are all types of what animal?
A: **shark**

Dutch Art

55. The Bentvueghels, or Schildersbent, were a group of Dutch painters who worked in what city for about a century starting in 1620?
A: **Rome**
56. Who set almost all of his paintings in his own house, often depicting women performing everyday tasks, such as in *The Milkmaid*?
A: Johannes **Vermeer**
57. Stolen in 1990 and never recovered, what is Rembrandt's only painting of the sea, depicting a Biblical miracle?
A: ***Storm on the Sea of Galilee***
58. His first major work, what Van Gogh painting shows a dark, lamplit scene of peasants in a small house eating a simple meal?
A: *The* **Potato Eaters**

Set of 3: Fairies

59. What author was tricked by the 1917 Cottingley Fairies hoax, in which a pair of children created fake photographs of fairies?
A: Sir Arthur Conan **Doyle**
60. What character partially titles an animated movie that features the blue fairy creature Bibble, and is subtitled "Fairytopia"?
A: **Barbie**
61. What author published a six-book epic poem dedicated to Elizabeth I titled *The Faerie Queene*?
A: Edmund **Spenser**

Jailbreak

62. Tiraspol is the capital of what unrecognized country located in eastern Moldova?
A: **Transnistria**
63. Declared by Rodrigo Duterte in 2017 to fall annually on April 27th, what holiday commemorates the defeat of Magellan at the Battle of Mactan?
A: **Lapu-Lapu Day**
64. After oxygen, what is the next-lightest element whose symbol begins with a vowel?
A: **aluminum** (accept: **Al**)
65. What movie starring Benicio del Toro premieres today at the Cannes Film Festival, the latest from director Wes Anderson?
A: *The* **Phoenician Scheme**
66. What religious reformer, who was burnt at the stake in 1415, inspired the creation of the Moravian church?
A: Jan **Hus** (accept: John **Huss**)
67. A "great shift" in the pronunciation of what linguistic elements occurred during the transition from middle English to modern English?
A: **vowels**
68. The set of all acceptable inputs for a function is referred to by what word?
A: **domain**
69. *Sable, Fable* is the latest album by what indie folk band whose first album was *For Emma, Forever Ago*?
A: **Bon Iver**
70. What two titles are voted on at many proms, one for a boy and one for a girl?
A: prom **king** AND prom **queen**
71. What Sri-Lankan born Canadian author wrote *In the Skin of a Lion* and *The English Patient*?
A: Michael **Ondaatje** ["on-DAH-chee"]

72. Wednesday is named for what chief god in the Norse pantheon?
A: **Odin** (accept: **Woden**, **Wotan**)
73. The petals of the common daisy are most often what colour?
A: **white**
74. Alert is on what island?
A: **Ellesmere** Island
75. As stated in its name, what material is the ground in a game in which players must avoid touching the floor?
A: **lava**

END OF THIRD QUARTER

FOURTH QUARTER

Jackpot

76. Part 1: At the 2004 Olympics, after three medal favourites all made critical errors in the final round, what country unexpectedly won the men's synchronized 3-metre springboard diving gold?
77. Part 2: In the 2021 French Open final, a player from this country won the first two sets against Novak Djokovic but lost the last three. That same player, who uses a one-handed backhand, again lost to Djokovic in the final of the 2023 Australian Open.
78. Part 3: Despite only scoring multiple goals once, in their opening game, this country upset hosts Portugal in the final to win the 2004 Euro.
79. Part 4: A power forward for the Milwaukee Bucks is nicknamed the "Freak" from this country.
A: **Greece**

Streak

80. Name up to every American state capital west of Los Angeles.
- A: **Sacramento**, California
- A: **Honolulu**, Hawai'i
- A: **Juneau**, Alaska
- A: **Olympia**, Washington
- A: **Salem**, Oregon
- A: **Carson City**, Nevada

Set of 3: Heat

83. What word refers to the average thermal energy of an object or substance?
A: **temperature**
84. What liquid with an unusually high specific heat capacity is also notable for being denser as a liquid than when it freezes to a solid?
A: liquid **water** (accept: **H2O**)
85. Who derived an equation for the maximum efficiency of a heat engine while describing an ideal thermodynamic cycle that is now named for him?
A: Sadi **Carnot**

Set of 3: Mockumentaries

86. What country's national anthem claims that all other nations are run by little girls and have inferior potassium, according to its famous journalist Borat?
A: **Kazakhstan**
87. John McCain, Madeleine Albright, and Joe Biden have all made cameos on what mockumentary-style sitcom about local politics in an Indiana town?
A: **Parks and Recreation**
88. Diane Morgan plays what investigative reporter who asks absurd questions to experts on history and culture?
A: Philomena **Cunk** (prompt on: Philomena)

12-Part Blitz

89. What caffeinated herbal drink is typically served in a gourd with a bombilla straw and is popular in South America?
A: yerba **mate** ["MAH-tay"]
90. What term refers to a word or phrase stylized such that it reads the same when rotated or flipped upside down?
A: **ambigram**
91. What long belt of semi-arid land lies immediately south of the Sahara?
A: **Sahel**
92. Fanfiction for what other series served as the initial basis for what later became the *Fifty Shades of Grey* series?
A: **Twilight** series/books
93. What two entities are substantially distinct according to the philosophical position of dualism?
A: **mind** AND **body**
94. With approval ratings in the 80s, what president from the party Morena is the world's most popular elected leader?
A: Claudia **Sheinbaum**
95. An exhibition titled "Superfine: Tailoring Black Style" and the concept of Black Dandyism were the themes for the 2025 iteration of what fundraising event?
A: **Met Gala**
96. What is the minimum y value of y equals x squared plus 8x plus 20?
A: y equals **4**
97. Swedish for "jungle forest", what is the name of IKEA's big brown stuffed bear?
A: **Djungelskog** ["YOON-gell-skog"]
98. Port Colborne is located at the southern end of what canal that ships use to bypass Niagara Falls?
A: **Welland** Canal
99. Who argued that exchanges are a "total social fact" that occur between groups, as opposed to the reciprocity-based analysis of Bronislaw Malinowski, in "The Gift"?
A: Marcel **Mauss**
100. In computing, "PCB" stands for what kind of structure, onto which electronic components may be soldered ["SAW-derd"]?
A: **printed circuit board**

END OF GAME