



2025-26 Junior Fall Tournament (T1) – Pack 10

Head Editor: *Zhongtian Wang*

Writers/Editors: *Nicolas Edwards, Odin Fisher-Skau, Ian Greig, Paul Kasiński, Jenny Mao, Malhaar Moharir, Jack van Nostrand, Joe Su, Isaac Thiessen, Zhongtian Wang*

PACK 10

5-Part Blitz

1. Kano ["KAH-no"], Lagos and Abuja are cities in what country?
A: **Nigeria**
2. Floor-length white ball gowns and long white gloves are the American dress code for what kind of event, where young, upper-class women are presented to high society for the first time?
A: **debutante balls** (accept: **coming-out parties**)
3. What word do linguists use for a group of genetically related languages, such as the Semitic or Slavic groups?
A: **family** (accept: **families**)
4. Which Byzantine emperor compiled the Corpus Juris Civilis legal code and suppressed the Nika riots?
A: **Justinian I** (accept: **Justinian the Great**) (prompt on: **Justinian**)
5. Charlton Heston finds the title things on a mountaintop in what Biblical epic film in which he plays Moses?
A: **The Ten Commandments**

Double Jump

6. At the 1937 Paris Expo, the Spanish pavilion displayed what new painting by Pablo Picasso, depicting the horrors of the country's ongoing civil war?
A: **Guernica**
7. Another famous image of the war, what possibly-staged photograph purporting to show a dying Republican infantryman was taken by Robert Capa?
A: **The Falling Soldier**

Double Jump

8. What large country lies between the Arabian Sea and the Bay of Bengal?
A: **India**
9. What is the easternmost body of water on which India borders, lying east of a namesake chain of small islands?
A: **Andaman** Sea

Set of 4: Graphing

Consider the coordinates (2, 4) and (4, 16).

10. What is the slope of the line segment between the two points?
A: **6**
11. What would be the y-intercept of a line that passes through these two points?
A: y equals **-8** (accept: **(0, -8)**)
12. What is the midpoint of these two points?
A: **(3, 10)**
13. If (2, 4) is the vertex of a parabola that passes through (4, 16), what is the "a"-value of the equation written in vertex form?
A: **3**

Jackpot

14. Part 1: During a 2021 Grand Prix in what country did a broadcast suddenly cut to Aston Martin driver Lance Stroll's car bumping a wall and jumping over a curb, spawning a series of memes?
15. Part 2: Ayrton Senna won six Grand Prix races in this country, including five consecutive ones between 1989 and 1993.
16. Part 3: This is the home country of current Ferrari driver Charles Leclerc.
17. Part 4: Along with races in the United States and France, the third part of the Triple Crown of Motorsport is a Grand Prix located in this tiny country.
A: **Monaco**

Set of 3: Chess Tactics

18. Which chess piece is developed to the b or g files as part of a fianchetto?
A: **bishops**
19. While a pin involves attacking two pieces along a line with the less valuable piece in front, what similar tactic occurs when the more valuable piece is in front, forcing it to move so the piece behind can be captured?
A: **skewers**
20. What piece becomes "passed" when its counterparts can no longer prevent it from advancing to the eighth rank to achieve promotion?
A: **pawns**

5-Part Blitz

21. Listed fourth and last in the theme song, which of the Teletubbies is red?
A: **Po**
22. Which nitrogenous base in DNA is replaced with uracil in RNA?
A: **thymine** (prompt on: T)
23. Especially popular in Australia and New Zealand, what espresso-and-milk beverage is essentially a cappuccino without the thick foam on top?
A: **flat whites**
24. What small island is split between Indonesia, which controls its western half, and an independent country?
A: **Timor**
25. The science fiction films *Solaris* and *Stalker* were made by what Russian director?
A: Andrei **Tarkovsky**

END OF FIRST QUARTER

SECOND QUARTER

Splits: *The Divine Comedy* & The Hydrosphere

The Divine Comedy

26. What character finds himself lost in a dark wood and beset by beasts at the beginning of the *Divine Comedy*, and serves as the author's self-insert?
A: **Dante Alighieri** (accept either bolded part) (prompt on: the narrator)

27. In heaven, how many spheres surround the Empyrean, home to God? Hell also has this many circles.
A: **nine**
28. Dante caused controversy by including esteemed Ancient Greeks and Romans, as well as Saladin, in what part of hell, which according to common Catholic belief is home to virtuous Old Testament figures and to unbaptized infants?
A: **Limbo** (accept: the **First Circle** of Hell)
29. In purgatory, Dante depicts all sins as being caused by what, when it is excessive, deficient, perverted, or directed away from God?
A: **love**

The Hydrosphere

30. The discharge of a river is obtained by multiplying its cross-sectional area by what quantity?
A: average flow **velocity/speed** (accept clear equivalents) (reject: flow rate)
31. Underground layers of permeable rock or sediment that contain groundwater are known by what term?
A: **aquifers**
32. What "R"-word refers to the flow of water across the ground and bodies of water before it ends up in streams and rivers?
A: **runoff**
33. Ocean acidification is caused by what atmospheric compound reacting with ocean water to form carbonic acid?
A: **carbon dioxide** (accept: **CO2**)

Double Jump

34. Who was the subject of a 2021 New York Times documentary titled after her "framing", which explored the conservatorship her father had had her placed in?
A: Britney **Spears** (prompt on: Britney)
35. Amidst the "Free Britney" movement, what late-night talk show host was retroactively praised for speaking sympathetically of Spears in 2007 after her breakdown, unlike other performers who mocked her?
A: Craig **Ferguson**

Double Jump

36. What two elements are present in a molecule of benzene, butane, propane, or methane?
A: **carbon** (prompt on: C) AND **hydrogen** (prompt on: H)
37. What three elements are present in a molecule of acetone, formaldehyde, or ethanol?
A: **carbon** (prompt on: C) AND **oxygen** (prompt on: O) AND **hydrogen** (prompt on: H)

Set of 4

38. What kind of animal reacted to involuntary cues from its trainer, making people believe it was performing arithmetic, and was known as Clever Hans?
A: **horse**
39. Supposedly dying at the Battle of the Hydaspes, what horse belonged to Alexander the Great?
A: **Bucephalus**
40. In 1973, what horse set time records in all three races as it won the Triple Crown?
A: **Secretariat**
41. Whose horse Marengo was depicted crossing the Alps in a painting by Jacques-Louis David?
A: **Napoleon Bonaparte** (accept either bolded part)

Set of 4: Change the Middle Letter

Given the definitions of two words that are spelled the same except for their middle letter, give both of those words. For example, if given "a metallic element often used to make containers" and "the number after nine", the answer would be "tin and ten". You will have five seconds for each question.

42. A small unit of information, and a social media account not actually run by a human being.
A: **bit** AND **bot**
43. A lower continuation of a collar that goes down the middle of the chest, and a small sign affixed to something.
A: **lapel** AND **label**
44. A rapid, intense flow of something, and to terrorize someone.
A: **torrent** AND **torment**
45. What a pilot has done if they've gone past their intended target, and what has been done to a problem that has been exaggerated.
A: **overflown** AND **overblown**

5-Part Blitz

46. Who was recently appointed as Special Representative for the Reconstruction of Ukraine, after having been Justin Trudeau's finance minister from 2020 to late 2024?
A: Chrystia **Freeland**
47. In Japanese folklore, what sort of animal is a kitsune ["kit-SOON-ay"], which can have up to nine tails?
A: **foxes**
48. The bottom line of the alto clef is what note?
A: **F** natural
49. What boss spawns after a player reaches 200 health and 10 defense and four town NPCs are present, and is usually the boss encountered first in *Terraria*?
A: The **Eye of Cthulhu**
50. What second-largest island in Canada has one-third of its land in the Northwest Territories and two-thirds in Nunavut?
A: **Victoria** Island

END OF FIRST HALF

THIRD QUARTER

Splits: Astronauts & the Beatles

Astronauts

51. What minister of transport from 2015 to 2021 was the first Canadian in space?
A: Marc **Garneau**
52. Who was the commander of Apollo 13, played by Tom Hanks in the 1995 movie?
A: Jim **Lovell**
53. Allegations of a toxic work environment led to the eventual resignation of what governor general of Canada?
A: Julie **Payette**
54. Provide the five words that finish this quotation from Neil Armstrong: "That's one small step for man..."
A: **"one giant leap for mankind"**

The Beatles

55. What album by the Beatles was the first to employ tape loops on the track "Tomorrow Never Knows" and also featured the children's song "Yellow Submarine"?
A: **Revolver**
56. Name the first film starring the Beatles, which shares its name with their third album.
A: A **Hard Day's Night**
57. Who replaced Pete Best as the band's drummer just before they achieved worldwide fame?
A: **Ringo Starr** (accept either bolded part) (accept: Richard **Starkey**)
58. What Beatles single was the longest to top the British charts at the time of its release, and tells the title person to "take a sad song and make it better"?
A: **"Hey Jude"**

Set of 3

59. What country has Europe's largest economy and the European Union's largest population?
A: **Germany**
60. The most densely populated part of Germany, home to cities such as Cologne, Dusseldorf, and Dortmund, is named after what two rivers that flow through it?
A: **Ruhr** River AND **Rhine** River
61. Despite lying more than a hundred kilometres from the sea, what city on the Elbe River is Germany's main port?
A: **Hamburg**

Jailbreak

62. What compound word is formed by combining the names of the twins played by Michael B. Jordan in *Sinners*?
A: **smokestack**
63. The media groups Nexstar and Sinclair briefly suspended what late night host in September 2025 following his remarks on the shooting of Charlie Kirk?
A: Jimmy **Kimmel**
64. Which sin is considered to be the original and most severe of the seven deadly sins?
A: **pride** (accept: **superbia**)
65. Players who reach the green "User" trust rank gain the ability to upload worlds on what popular online social platform?
A: **VRChat**
66. In 2020, signs of the biosignature phosphine were reportedly discovered in the extremely dense atmosphere of which planet?
A: **Venus**
67. Since 2022, the education company Amplify has owned what free online graphing calculator?
A: **Desmos**
68. What country lies due south from Taiwan?
A: the **Philippines**
69. What "M"-word refers to a new phrase that is created by mishearing a phrase or lyric, such as "José, can you see" in "The Star-Spangled Banner"?
A: **mondegreens**
70. What word refers to a group of notes played at once for their harmony, such as a triad?
A: **chords**
71. The crash of the *Maginot* releases Xenomorphs onto the titular planet in what TV show, which is set two years before the film *Alien*?
A: *Alien*: **Earth**

72. What philosopher wrote the *Groundwork of the Metaphysics of Morals*, which introduced the categorical imperative?
A: Immanuel **Kant**
73. Maine and Oregon both contain large cities with what name?
A: **Portland**
74. *Held* by Anne Michaels is the most recent winner of what award, given annually for the best English-language prose work written in Canada?
A: **Giller** Prize
75. Set in Chicago's south side, what TV series follows the dysfunctional Gallagher family, who are portrayed by actors such as William H. Macy and Emmy Rossum?
A: **Shameless**

END OF THIRD QUARTER

FOURTH QUARTER

Jackpot

76. Part 1: What man was the primary target of a military deployment led by Garnet Wolseley, but fled with his followers before Wolseley's forces arrived?
77. Part 2: After supporters of this man persuaded him to abandon his civilian life in Montana, he led them to victory at the battle of Duck Lake.
78. Part 3: This man was controversially tried by a jury of six anglophone Protestants following his surrender at the fall of Batoche.
79. Part 4: This man was convicted of treason and hanged for his role in the Northwest Rebellion.
A: Louis **Riel**

Set of 4: Ageing

80. Ageing may be partially caused by the gradual shortening of what protective regions at the ends of chromosomes?
A: **telomeres**
81. Past about age 40, all people will eventually develop at least a mild form of what visual condition?
A: **farsightedness** (accept: **presbyopia**, **hyperopia**, **hypermetropia**)
82. Within five years, what is the average onset age for menopause among Canadian women?
A: **51** (accept answers from **46** to **56**)
83. What disorder common among the elderly is characterized by the breakdown of cartilage between bones, causing joint pain?
A: **arthritis** (accept: **osteoarthritis**, rheumatoid **arthritis**)

5-Part Mystery

84. The Wheelchair Assassins try to free Quebec from the Organization of North American Nations in what novel by David Foster Wallace?
A: **Infinite Jest**
85. What John Green novel was adapted into a movie starring Shailene Woodley and Ansel Elgort as cancer patients who fall in love?
A: *The* **Fault in Our Stars**

86. The headline "Crisis, What Crisis?" was published by The Sun during a period of British history with what three-word name?
A: **Winter of Discontent**
87. Sam and Sadie are video game developers in what 2022 novel by Gabrielle Zevin?
A: **Tomorrow, and Tomorrow, and Tomorrow**
88. What science fiction novel sees a society divided into Alpha through Epsilon castes and was written by Aldous Huxley?
A: **Brave New World**
[Theme: titled after Shakespeare quotations]

12-Part Blitz

89. 255, 0, 255 is the RGB code for what colour?
A: **magenta**
90. After obtaining information about a planned attack, who walked through American-occupied territory in the Niagara Peninsula to warn British forces during the War of 1812?
A: Laura **Secord**
91. Who used Arthurian legends as the basis of operas such as *Parsifal* and *Tristan und Isolde*?
A: Richard **Wagner**
92. In which U.S. state would you find the Borscht Belt, once famous for resorts catering to Jewish vacationers in the Catskill Mountains?
A: **New York**
93. Who stars as Olivia Benson on *Law & Order: SVU*?
A: Mariska **Hargitay**
94. What word is often used as a name for northern Asia, particularly the regions belonging to Russia?
A: **Siberia**
95. What term refers to the art of carving shapes out of raw wood with a knife?
A: **whittling** (accept word forms)
96. What is the highest-energy form of electromagnetic radiation?
A: **gamma** rays/radiation
97. Who was the twin brother of Artemis in Greek mythology?
A: **Apollo**
98. What name is shared by players for a QMJHL team based in Halifax and beers from a Canadian brewery headquartered in New Brunswick?
A: **Mooseheads**
99. In 1028, who formed the North Sea Empire by becoming King of Norway, having previously assumed the crowns of Denmark in 1018 and England in 1016?
A: **Cnut** the Great (accept: **Canute** the Great)
100. When making a campfire, birch bark is often used as what material, selected for its ability to ignite the kindling?
A: **tinder**

END OF GAME