



## 2024-25 Junior Late Fall Tournament (T1) – Pack 10

---

**Head Editor:** *Zhongtian Wang*

**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 10

## 5-Part Blitz

1. What structure surrounds the membrane of plant and fungal cells?  
A: cell wall
2. The base game and the first expansion *Heavensward* make up the free-to-play portion of what MMORPG?  
A: **Final Fantasy XIV** ["fourteen"] (prompt on: *FFXIV*)
3. What leader resigned after the April Revolution, which heralded the end of South Korea's First Republic era?  
A: Syngman **Rhee**
4. What is the Japanese name of the network of high-speed rail lines crossing Japan?  
A: **Shinkansen**
5. What is the coefficient of the linear term when  $x$  plus 12 is squared?  
A: **24**

## Double Jump

6. What type of creatures are the main target of Buffy Summers in a namesake TV series?  
A: **vampires**
7. What FX series follows a group of vampires living in Staten Island composed of Nadja, Laszlo, and Nandor the Relentless?  
A: **What We Do in the Shadows**

## Double Jump

8. After a series of booms and crashes in recent years, what currency now trades at about 1 to 75,000 US dollars, up from less than 1 cent at the time of its creation in 2009?  
A: **Bitcoin** (accept: **BTC**)
9. The second-most-used cryptocurrency was created by Canadian Vitalik Buterin. Name either this currency or the decentralized blockchain network that hosts it.  
A: **Ether** (accept: **ETH**) OR **Ethereum**

## Set of 4: Literary Terms Beginning with "D"

10. The second-most important character in a work is known by what name?  
A: **deuteragonist**
11. What term refers to a fictional setting that is considered oppressive or otherwise horrific to live in, often as a result of its laws or government?  
A: **dystopia**
12. When the audience knows crucial information that one or more characters in a work do not, what literary device is at play?  
A: **dramatic irony**
13. What French term refers to the part of a story after the climax, when the remaining loose plot threads are tied up?  
A: **dénouement**

## Jackpot

14. Part 1: R.E.M. frontman Michael Stipe's advice for dealing with unwanted fame prompted what band to write a song that repeats the lyrics "I'm not here, this isn't happening"?
15. Part 2: This band contributed the exit music for the 1996 film *Romeo + Juliet*.
16. Part 3: This band's songs include "Street Spirit (Fade Out)", "Paranoid Android", and "No Surprises".
17. Part 4: Thom ["Tom"] Yorke is the lead singer of this English rock band behind albums like *The Bends* and *OK Computer*, and the song "Creep".  
A: **Radiohead**

## Set of 3: Computer Networking

18. What name is given to a string of numbers used to track the identity and general location of an Internet-connected device?  
A: **IP address**
19. What "P"-word refers to a basic unit of data sent across a network?  
A: **packet**
20. What "F"-word refers to a security system that controls traffic in or out of a computer network and can block access to unauthorized content?  
A: **firewall**

## 5-Part Blitz

21. What individualized Spotify playlist introduced in 2023 changes based on the time at which the user is listening to it?  
A: **daylist**
22. What peninsula located just north of Martha's Vineyard and Nantucket extends off of the southeastern corner of Massachusetts?  
A: **Cape Cod**
23. What English scientist is known as the father of modern atomic theory?  
A: John **Dalton**
24. Who starred opposite Tom Hanks in *Joe Versus the Volcano*, *You've Got Mail*, and *Sleepless in Seattle*?  
A: Meg **Ryan**
25. What nickname was given to members of the Society of Righteous and Harmonious Fists, who launched a rebellion against foreign influence in China from 1899 to 1901?  
A: **Boxers**

## END OF FIRST QUARTER

---

## SECOND QUARTER

### Splits: 2024 US Elections & Spelling

#### 2024 US Elections

26. Donald Trump became the first Republican presidential nominee to win the popular vote since what other president narrowly beat John Kerry in 2004?  
A: George **W. Bush** (accept: George **Bush Junior**) (prompt on: George **Bush**) (reject: George **H. W. Bush**)

27. What was the tipping-point state for the presidential election, governed by one of the final candidates to be Kamala Harris's running mate, Josh Shapiro?  
A: **Pennsylvania**
28. Name any two of the four states in which a Democratic senator was elected but Donald Trump won the presidential voting.  
A: (any two of:) **Michigan, Wisconsin, Nevada, Arizona**
29. Who will continue in his role as speaker thanks to the narrow Republican victory in the House of Representatives elections?  
A: Mike **Johnson**

### Spelling

Spell the following words.

30. It's a noun, often used in the context of spacecraft, meaning the process of leaving a place or vehicle: spell "egress".  
A: **E-G-R-E-S-S**
31. It's a noun, synonymous with "amateur", that means someone who dabbles in a field but lacks serious understanding of it: spell "dilettante" ["dill-uh-TONT"].  
A: **D-I-L-E-T-T-A-N-T-E**
32. It's a verb meaning to whip something or someone: spell "flagellate".  
A: **F-L-A-G-E-L-L-A-T-E**
33. It's a noun meaning the end of the world: spell "apocalypse".  
A: **A-P-O-C-A-L-Y-P-S-E**

### Double Jump

34. What architect designed a building clad in over 30,000 titanium plates in Bilbao, home to a branch of the Guggenheim Museum?  
A: Frank **Gehry**
35. What is the two-word name of the Gehry-designed building in Prague sometimes nicknamed for Ginger Rogers and Fred Astaire?  
A: **Dancing House**

### Double Jump

36. What sport made its debut at the 2024 Paris Olympic Games?  
A: **breaking** (accept: **breakdancing**)
37. Defeating Dany Dann in the final battle, what Canadian breakdancer won the gold medal in the b-boy event?  
A: **Phil Wizard** (accept: Philip **Kim**) (prompt on: Wiz, Wizard)

### Set of 4: Rings

38. Gaps named for Keeler and Encke ["EN-kee"] are found in the ring system of which planet, the sixth from the Sun?  
A: **Saturn**
39. Assuming the gifts are cumulative, how many golden rings does the singer get in the song "The Twelve Days of Christmas"?  
A: **40** golden rings
40. Who wrote the four operas that make up the *Ring* cycle?  
A: Richard **Wagner**

41. A molecule of cholesterol has how many rings?

A: **4**

### 5-Part Mystery Link

42. What colour is the titular chamber in one of the four classic Chinese novels?

A: **red**

43. What British prime minister's two terms were separated by the tenure of Clement Attlee?

A: Winston **Churchill**

44. What word finishes this passage from the Book of Numbers: "The Lord lift up his countenance upon you and give you [BLANK]"?

A: **peace**

45. Who was the second prime minister of Canada?

A: Alexander **Mackenzie**

46. Martyred in 258 AD, what deacon of Rome is the patron saint of chefs and comedians?

A: Saint **Lawrence**

### 4-Part Blitz

47. Special relativity explains the fact that what metal is a liquid at room temperature?

A: **mercury** (accept: **Hg**)

48. The Old Dragon's Head, which stretches into the Bohai Sea, is the eastern end of which of the New 7 Wonders of the World?

A: **Great Wall** of China

49. In what modern-day country did soldiers known as sepoys rise up in a rebellion in 1857 against their British rulers?

A: **India** (accept: **Pakistan, Bangladesh**)

50. When rolling three six-sided dice, what is the probability of rolling the same number on all three dice?

A: **1/36**

## END OF FIRST HALF

---

## THIRD QUARTER

### Splits: Animals in Mythology & Strategy Games

#### Animals in Mythology

51. Following their abandonment by King Amulius, Romulus and Remus were raised by what kind of creature?

A: she-**wolf**

52. Often depicted as a hybrid between a lion, a snake, and a goat, what fire-breathing creature was defeated by Bellerophon in Greek mythology?

A: **chimera**

53. How many legs are possessed by Sleipnir, Odin's horse in Norse mythology?

A: **eight**

54. What insect is associated with the Egyptian god Khepri, and often shown pushing the sun in Egyptian mythology?

A: **scarab** beetle (accept: **dung beetle**) (prompt on: **beetle**)

## Strategy Games

55. All of western Russia is labeled "Ukraine" on the board of what game in which battles are contested using three red dice and two white dice?  
A: **Risk**
56. What geographically-named class of tabletop games typically feature limited luck and no player elimination, exemplified by *Carcassonne* and *Catan*?  
A: **Eurogame** (accept: **German**-style game, **European**-style game)
57. *Othello* is a variant of what game that uses disks with black and white sides?  
A: **reversi**
58. Set in a distant dystopian future where the Imperium of Man commands legions of Space Marines, what is the most popular miniature wargame in the world?  
A: **Warhammer 40,000** (accept: *Warhammer* **40k**) (reject: *Warhammer*)

## Set of 3: Soccer Derbies

59. In what city is the Derby Della Madonnina ["mah-doh-NEE-nah"] played at the San Siro stadium between the "Inter" and "AC" clubs?  
A: **Milan**
60. Everton and which other English Premier League club contest the Merseyside Derby?  
A: **Liverpool** FC
61. Games between FC Barcelona and Real Madrid are known by what Spanish name?  
A: El **Clasico**

## Jailbreak

62. What character sings "Over the Rainbow" as a tornado approaches her farmhouse in Kansas?  
A: **Dorothy Gale** (accept either bolded part)
63. Now inland because the Persian Gulf has receded, what coastal Sumerian city built a shrine to the god Nanna in its huge ziggurat?  
A: **Ur**
64. What is the midpoint of the two points "4 comma 6" and "2 comma 10"?  
A: **(3,8)**
65. When a B-flat instrument such as a clarinet or trumpet plays a G, what note is actually sounded?  
A: **F** natural
66. The 1839 Treaty of London guaranteed the neutrality of what European country, which held until it was invaded under a modified Schlieffen Plan in 1914?  
A: **Belgium**
67. What word refers to the process wherein splitting populations creates new groups that cannot interbreed?  
A: **speciation**
68. Which organ of a sheep is traditionally used as the casing for haggis?  
A: **stomach**
69. What town is the setting of Arthur Miller's play *The Crucible*?  
A: **Salem**, Massachusetts
70. What waterway traverses the artificial Gatun Lake as it cuts through its namesake isthmus, connecting the Atlantic and Pacific?  
A: **Panama Canal**
71. What biome is shared by the planets Jakku, Arrakis, and Tatooine?  
A: hot **desert**
72. Who was prime minister of Canada from 1896 to 1911?  
A: Wilfrid **Laurier**

73. Convex for mercury, but more commonly concave for water, what term refers to the curved shape of the upper boundary of a liquid in a test tube?  
A: **meniscus**
74. Gordon Cormier, Kiawentiio ["gya-wuhn-DEE-yo"], and Ian Ousley star as the main adventuring trio in what 2024 Netflix adaptation of a classic Nickelodeon show?  
A: ***Avatar: The Last Airbender*** (prompt on partial answers)
75. What kind of people were transported on the middle passage?  
A: African **slaves** (accept: **enslaved** people/Africans) (prompt on: **Africans**)

## END OF THIRD QUARTER

---

## FOURTH QUARTER

### Jackpot

76. Part 1: In physics, what adjective can describe a region in which there is no matter and no electromagnetic or gravitational field?
77. Part 2: This adjective describes a type of chemical species that is created via homolytic bond cleavage.
78. Part 3: A thermodynamic potential that measures the work obtainable from a closed system is named for this adjective and Hermann von Helmholtz.
79. Part 4: This adjective describes a type of fall in which a body moves unhindered in the presence of gravity.  
A: **free**

### Streak

80. Name up to all six of the longest-running musicals in Broadway history.
- A: *The **Phantom of the Opera***
- A: ***Chicago***
- A: *The **Lion King***
- A: ***Wicked***
- A: ***Cats***
- A: *Les **Miserables***

### Set of 3: In the Classroom

83. What two-word term refers to a teaching model where the students do homework and solve problems during class time and watch lessons at home?  
A: **flipped classroom** (accept: **inverted classroom**)
84. What kind of object is a TI-84?  
A: **graphing calculator** (prompt on: **calculator**)
85. Essays for English and other language classes typically use what citation style?  
A: **MLA** citation style/format (accept: **Modern Language Association** citation style/format)

### Set of 3: Transgender Terminology

86. What colloquial term refers to someone who does not yet know or has not admitted to themselves that they are trans?  
A: **egg**

87. A feeling of distress that one's body does not match their gender identity is the description of what medical diagnosis?  
A: **gender dysphoria** (prompt on: dysphoria)
88. What does the acronym AMAB ["AY-mab"] stand for in the context of gender?  
A: **assigned male at birth**

## 12-Part Blitz

89. If it is 10 PM in Quebec City, what time is it in St. John's, Newfoundland?  
A: **11:30 PM** (accept clear equivalents) (prompt on: 11:30)
90. Who featured Snoop Dogg on the songs "The Next Episode" and "Nuthin' But a 'G' Thang"?  
A: Dr. **Dre** (accept: Andre **Young**)
91. Who set a record as the most isolated human in history while alone in the command module, as his two crewmates landed the Eagle on the Moon?  
A: Michael **Collins**
92. In what country is the number 24 avoided by men because of an old gambling game that associates it with homosexuality?  
A: **Brazil**
93. What two countries share the Diomed Islands, found on either side of the International Date Line?  
A: **United States** of **America** (accept either bolded part) (accept: **USA**) AND **Russia**
94. Shaka was a king of what people, who were conquered by Britain in 1879 in modern-day South Africa?  
A: **Zulus**
95. What is the sine of 30 degrees?  
A: **0.5** (accept: one **half**)
96. What animal-inspired term is another word for the runway used by models?  
A: **catwalk**
97. Who starred alongside Ethan Hawke in *Training Day*, and plays the former slave Macrinus in *Gladiator 2*?  
A: Denzel **Washington**
98. What long, narrow gulf forms much of the western coast of Mexico?  
A: Gulf of **California** (accept: **Sea of Cortez**)
99. What name is given to long poles on which performers stand to give their legs more height?  
A: **stilts**
100. What empire won the Battle of Manzikert against the Byzantines in 1071, beginning the Turkic conquest of Anatolia?  
A: **Seljuk** Empire (accept: **Seljuks**, **Seljuk** Turks)

END OF GAME