



GRADWRITE '24

Contributors:

Asha Basu

Charlotte Bauer

Tai Belke

Tomas Bertovic

Brendan Bridle

Ava Butler

Kunaal Chandrashekar

Idan Chinnik

Simon Choist

Soham Dhar

Amir Dolansky

James Ferrabee

McKenna Gray

Lucas Hall

Zach Higgins

Joyann Hua

Lee Huynh

Susanna Liao

Eva Mandelbaum

Will Marcotte

Nina Nakamura

Eli Nason

Adrian O'Leary

Nathan O'Leary

Stephen Ottewell

Olivia Parisotto

Anna Reso

Matthew Stasiw

Dylan Steptoe

Serena Suleman

Denali Tran-Le

Stefan Vlad

Chris Wang

Chloe Wei

Alvin Yeung

PACK 6

Pack Editor:

Eva Mandelbaum

5-Part Blitz

1. The pieds-noirs fled what African country following its war of independence from France?

A: People's Democratic Republic of **Algeria**

2. What might "crust and sugar over—like a syrupy sweet" or "dry up like a raisin in the sun", according to a namesake poem by Langston Hughes?

A: a **dream** deferred

3. The Russian Far East and Chinese Manchuria are divided by a natural border formed primarily by what river?

A: **Amur** River (accept: **Heilongjiang**, **Argun**) (prompt on: Ussuri, Wusuli)

4. *The Needle Drop* is a YouTube channel run by what internet music critic?

A: Anthony **Fantano**

5. What ionic charge does a diatomic mercury molecule have?

A: **2+** (accept: **+2**) (prompt on: 2)

Set of 4: LEGO Movies

6. In addition to voicing Rex Dangervest in *The LEGO Movie 2: The Second Part*, who provided the voice for Emmet Brickowski in the LEGO movies?

A: Chris **Pratt**

7. Canadian teen Preston Mutanga was hired to animate a scene in LEGO for what 2023 animated superhero movie?

A: *Spider-Man: **Across the Spider-Verse*** (prompt on: Spider-Man)

8. *Piece by Piece* is a 2024 biopic of the life of what artist in LEGO, featuring stars such as Gwen Stefani, Snoop Dogg, and Daft Punk?

A: **Pharrell Williams** (accept either bolded part)

9. What Lego franchise was spun off into a movie in 2017 featuring Michael Peña and Dave Franco as well as Jackie Chan as Master Wu?

A: LEGO **Ninjago: Masters of Spinjitzu**

Jackpot

10. Part 1: What person was depicted in an artwork that, when duplicated, inverted, mirrored, and placed side by side, was claimed by conspiracy theorists to resemble the Devil?

Part 2: An artwork of this person was vandalized by animal rights activists who added the face of the claymation character Wallace onto it.

Part 3: In a painting, Jonathan Yeo depicted a butterfly above the right shoulder of this person, whose background and clothing are entirely red.

Part 4: A portrait of this person was unveiled at Buckingham palace in May of 2024 by him and his wife, Queen Camilla.

A: **King Charles** III (accept: **Charles III**) (prompt on: Charles)

Set of 3: Cryptocurrency

11. Contrasted with proof-of-stake, what cryptographic proof requires a computer to solve a computational puzzle to deter attacks?

A: **proof of work** (accept: **pow**)

12. Satoshi Nakamoto invented what first cryptocurrency, officially adopted as legal tender in El Salvador as of 2021?

A: **Bitcoin** (accept: **btc**)

13. Cryptocurrencies typically store transactions on what type of distributed ledger of records, linked by hashes?

A: **blockchain**

Double Jump

14. What city is home to the Genbaku Dome, a building maintained in a state of ruin as a memorial of its atomic bombing?

A: **Hiroshima**

15. Thirty kilometres west of Hiroshima on the island of Itsukushima lies a floating example of what structure that was also used to commemorate the bombing of Nagasaki?

A: **torii** gate (prompt on: gate)

Double Jump

16. What country was established by the American Colonization Society in Africa, supported by president James Monroe?

A: **Liberia**

17. Which Ballon d'Or winner and former AC Milan legend became president of Liberia in 2018 before narrowly losing reelection to Joseph Boakai in 2023?

A: George **Weah**

5-Part Mystery Link

18. In trigonometry, what three-letter prefix can be used to denote the inverse of a trigonometric function?

A: **arc**

19. What NBA team fulfilled a longstanding ambition of owner Steve Ballmer by moving into their own arena in Inglewood for the 2024-2025 season?

A: Los Angeles **Clippers** (accept: LA **Clippers**, prompt on: Los Angeles, LA)

20. What line of sports car has been produced in Bowling Green, Kentucky since 1953 by Chevrolet?

A: Chevrolet **Corvette**

21. In reference to his role in the Trimurti, Shiva is given what title?

A: **destroyer**

22. What movie, based on a namesake board game, stars Liam Neeson and was Rihanna's feature film debut?

A: **Battleship**

Link: All answers are types of ships.

END OF FIRST QUARTER

SECOND QUARTER

Splits: African and Afro-Caribbean Religions & Fields in Physics

African and Afro-Caribbean Religions

23. What Caribbean religion reveres Ethiopian Emperor Haile Selassie as their messiah and regularly smokes cannabis during gatherings?

A: **Rastafari** (accept: **Rastafarianism**, but reveal: **Rastafari**)

24. Saint Mark died in what country where he established the Coptic Church in Alexandria?

A: **Egypt**

25. What creator god in Haitian Vodou has a name derived from the French term for "Good God"?

A: **Bondye** (accept: **Bondieu**, **Gran Maitre**, **Gran Met**)

26. Olorun is believed to have ase ["AH-shay"], or life force, over all people in what religion, practiced primarily by its namesake ethnic group in Southwest Nigeria?

A: **Yoruba** (accept: **Isese**)

Fields in Physics

27. In classical mechanics, whose universal law of gravitation describes the gravitational field?

A: Isaac **Newton**

28. What field is induced by stationary charged particles to attract or repel other charged particles and has strength measured in newtons per coulomb?

A: **electric** field

29. What particle emerges from the excitations of a scalar field that couples with particles to give them mass, the only fundamental boson to do so?

A: **Higgs** boson (accept: **Higgs** particle)

30. Who names a law stating that induced current creates a magnetic field opposing the change in the magnetic field that induced the current?

A: Heinrich Friedrich Emil **Lenz**

Set of 3: Totem Poles

31. From which park is the Kakaso'las Totem Pole being relocated to the Museum of Anthropology at UBC?

A: **Stanley** Park

32. The Kayung totem pole was carved by what Indigenous group who traditionally lived on an archipelago off the coast of British Columbia?

A: **Haida** (accept: **Xaayda**, **Xaadas**, **Xaad**, **Xaat**)

33. What mythological creature frequently depicted atop totem poles is believed to be able to create rainstorms and shoot lightning bolts from its eyes?

A: **thunderbird**

Set of 4: Unoriginal City Names

34. In what American state could you drive via the I-75 between Athens and Rome in under 3 hours?

A: **Georgia**

35. Which of the Southern Ontarian tri-cities was originally named Berlin and is located between Waterloo and Cambridge?

A: **Kitchener**

36. What name shared by the second largest city in Sindh, Pakistan and the capital of Telangana, India translates to "Haydar's city"?

A: **Hyderabad**

37. What name is shared by a city home to Gulf Coast State College and a canal with its northern terminus at Colón ["co-LOAN"]?

A: **Panama** City

Double Jump

38. What phenomenon is usually measured using a consumer price index, and has impacted Venezuela and Zimbabwe in its "hyper" form?

A: **hyperinflation**

39. What kind of CPI omits volatile goods such as gasoline in order to look at underlying trends in inflation?

A: **core** CPI

Double Jump

40. What author announced *Sunrise On The Reaping* to be released in 2025, as a prequel to *The Hunger Games*?

A: Suzanne **Collins**

41. What berry becomes a symbol of the rebellion in *The Hunger Games* series after Katniss and Peeta threaten to eat it at the end of the first book in the series?

A: **nightlock**

Linked Set of 6

42. In what modern-day country did Julio Roca lead the Conquest of the Desert, a genocide of Mapuche people in Patagonia?

A: **Argentina** (accept: **Argentine Republic**)

43. What social partner dance originated along the Río de la Plata between Uruguay and Argentina?

A: **tango**

44. What musical features women in the Cook County Jail accused of murder singing the Cell Block Tango?

A: **Chicago**

45. Candyland originated the mixing of caramel and cheese over what food to get Chicago Mix?

A: **popcorn**

46. Vermiculite or polystyrene is sprayed onto what part of a room to create a bumpy texture known as popcorn style?

A: **ceiling**

47. What number would be returned if pi was entered into a ceiling function?

A: **4**

END OF FIRST HALF

THIRD QUARTER

Splits: Diacritical Marks on Latin Characters & The Battle of Gallipoli

Diacritical Marks on Latin Characters

48. Name either lowercase letter in the English alphabet that features a tittle.

A: **ı** OR **ĵ**

49. What letter can be followed by an "h" in Portuguese to make the same sound as placing a tilde over it in Spanish?

A: **n**

50. Name either of the two diacritical marks, one used to separate two distinct vowels and the other used to indicate a sound shift, that are represented by two dots above the letter.

A: **umlaut** OR **diaeresis** (accept: **trema**)

51. Resembling an upside down breve, what accent appears in French words such as tête, bientôt, and plutôt?

A: **circumflex** (accept: **circonflexe**)

Battle of Gallipoli

52. The Battle of Gallipoli was a part of what war?

A: **World War I** (accept: **WW1**)

53. What commander's victories at Sari Bair ["SAH-ree ba-EER"] and Chunuk Bair compelled the Allies into their eventual withdrawal from Gallipoli?

A: Mustafa Kemal **Ataturk** (accept: Mustafa **Kemal**)

54. Celebrated on April 25th in two commonwealth countries, what holiday honours the sacrifices of the men who died in the Gallipoli campaign?

A: **Anzac** Day

55. In an attempt to start an ANZAC breakout, forces led by Ian Hamilton landed in what bay?

A: **Suvla** Bay

Set of 4: Beauty Science

56. What simplest aldehyde is used in small amounts as a preservative in cosmetic products and also prevents bacterial growth on skin?

A: **formaldehyde** (accept: **methanal**)

57. What compound is often used in skincare products to treat acne and is the principal metabolite of Aspirin?

A: **salicylic acid**

58. What pseudoscientific oral posture technique created by British orthodontists aims to change jaw structure to appear more attractive by placing one's tongue to the roof of the mouth and applying pressure?

A: **mewing** (accept word forms)

59. What surgery derives its name from the Ancient Greek for "nose" and "to shape"?

A: **rhinoplasty**

Jailbreak

60. The *Vegetarian* is a novel by what South Korean winner of the Nobel Prize in Literature?
A: **Han Kang**
61. The Ghurid Dynasty were the first rulers of what sultanate, the first Islamic state in India?
A: **Delhi** Sultanate
62. The asteroid Dimorphos was the target of what NASA planetary defense mission?
A: **Double Asteroid Redirection Test** (accept: **DART**)
63. What governor of Minnesota was chosen in 2024 to be the Democratic candidate for vice-president?
A: Tim **Walz**
64. What is the only men's golf major not held in the US?
A: **British Open** (accept: **The Open** Championship, **Open Championship**) (reject: **Open**)
65. Featuring singles like 'b2b' and 'Club classics', what 2024 album by Charli XCX went viral for its green album cover?
A: **brat**
66. Mount Hermon is the highest peak of what region which is disputed between Israel and Syria?
A: **Golan** Heights
67. The Thousand Islands are in what river, just downstream from Lake Ontario?
A: **St. Lawrence** River
68. Dale Carnegie, Mario Lemieux, and Hank Green all had what form of cancer, which is most often caused by the Epstein-Barr virus?
A: **Hodgkin's** lymphoma (accept: **Hodgkin's** disease) (prompt on: **lymphoma**)
69. In what country's Bamiyan Valley were two enormous stone Buddha statues destroyed by the Taliban?
A: **Afghanistan**
70. What Edgar Allan Poe story features 7 rooms each illuminated by a different colour?
A: "The **Masque of the Red Death**"
71. Hannah Arendt coined the term "banality of evil" to describe what Nazi, who was put on trial after World War 2 in Jerusalem?
A: Otto Adolf **Eichmann**
72. What Russian composer of Vocalise also composed four famously difficult piano concertos, taking advantage of his abnormally large hands?
A: Sergei **Rachmaninoff**

END OF THIRD QUARTER

FOURTH QUARTER

Jackpot

73. Part 1: The "Throw and Go" version of what game includes a colour wheel to decide what colour of playing pieces to use, while the "Truth or Dare" version includes truth or dare questions on red and black playing pieces?

Part 2: This game was invented by a British national in Tanganyika, and is named for a Swahili verb.

Part 3: The ratio of this game's playing pieces is 15:5:3 ["fifteen to five to three"], but some blocks are intentionally varied in height to induce variable friction.

Part 4: This Hasbro game has players taking turns removing blocks from a tower and replacing them at the top until the tower falls over.

A: **Jenga**

Set of 3: Vector

74. What American food company produces the Vector brand of cereal?

A: **Kellanova** (accept: **Kellogg's**)

75. In what film does the supervillain Vector steal a shrink ray from Felonius Gru?

A: **Despicable Me**

76. The cross product of the position vector and the force vector yields what pseudovector quantity, the rotational analogue of force?

A: **torque**

Streak

77. Name up to all four ministries of the government of Oceania that are mentioned in 1984.

A: Ministry of **Truth** (accept: **minitrue**)

A: Ministry of **Love** (accept: **miniluv**)

A: Ministry of **Peace** (accept: **minipax**)

A: Ministry of **Plenty** (accept: **miniplenty**)

Streak

78. Name up to all six countries with German as an official language.

A: Federal Republic of **Germany**

A: Principality of **Liechtenstein**

A: **Switzerland** (accept: **Swiss Confederation**)

A: Republic of **Austria**

A: Kingdom of **Belgium**

A: Grand Duchy of **Luxembourg**

13-Part Blitz

79. What is the only bone in the human body not connected to any other bones?
A: **hyoid** bone
80. Cole Caufield changed his number to 13 to honour what former Columbus Blue Jackets player, who passed away in August 2024?
A: Johnny **Gaudreau**
81. What US city is home to Lombard Street, famous for its steep section containing eight hairpin turns?
A: **San Francisco**
82. Khao Kheow Open Zoo in Thailand is home to what animal whose name translates to "bouncy pork", a viral pygmy hippopotamus?
A: **Moo Deng**
83. In what country did the introduction of guns lead to a period of conflict known as the Musket Wars among its Maori people?
A: **New Zealand**
84. How many dollars would a player win for sweeping a category in the first round of *Jeopardy!*?
A: **\$3000**
85. What pitcher holds the record for most wins in a career and gives his name to the annual awards for the best pitcher in the NL and AL?
A: Cy **Young**
86. What brand of mints and chewing gum owned by The Hershey Company also names a kind of exercise aimed at facilitating group cohesion?
A: **Ice Breaker**
87. What author described "a riddle whose answer is chess" in his short story "The Garden of Forking Paths"?
A: Jorge Luis **Borges** ["BORE-hey"]
88. Focusing more on the relationship aspect between villagers, which *Animal Crossing* game was released on mobile in 2017?
A: *Animal Crossing: **Pocket Camp***
89. Known as the "Lion of the North", what 17th century king helped to majorly reform the Swedish army?
A: **Gustavus Adolphus** (accept: **Gustav II**)
90. An erg is a vast expanse of what substance, which is finer than gravel but coarser than silt?
A: **sand**
91. Within 5, how many plays were in Shakespeare's first folio, a near complete collection of his plays?
A: **36** (accept any integer between **31** and **41** inclusive)

END OF GAME