



# GRADWRITE '24

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## PACK 5

**Pack Editor:**  
Nathan O'Leary

### 5-Part Blitz

1. What team won the inaugural PWHL Walter Cup in 2024?  
A: PWHL **Minnesota** Frost (accept: Minnesota **Frost**)
2. Who shot a namesake 26.6-second film that infamously shows a clear shot of John F. Kennedy's assassination?  
A: Abraham **Zapruder**
3. As opposed to pottery, what term describes items made from clay that aren't typically made on a potter's wheel, such as an ancient model of the armies of Qin Shi Huang?  
A: **terracotta**
4. What was the first spacecraft to land on the surface of the moon?  
A: **Luna 2** (prompt on: **Luna**)
5. What religion was practiced by the Gokturks, Xiongnu ["JHONG-new"], and Mongols, and revolves around a titular sky god?  
A: **Tengrism** (accept: **Tengriism**, **Tengerism**, **Tengrianism**)

### Set of 4: Remove a Word

You will have 5 seconds for each question. Given a long word, a shorter word will be removed to form a new word.

6. What item of clothing must be removed from a place of residence to get a short form of the word advertisement?  
A: **dress** (address to ad)
7. What architectural element must be removed from an earlier stage of a butterfly to create a verb that a business making food for an event might participate in?  
A: **pillar** (caterpillar to cater)
8. What pronoun must be removed from a word that refers to events that happened in the past to form the slang term for a conservative party?  
A: **his** (history to tory)
9. What flower genus must be removed from a common kitchen appliance often used in preparing bread for breakfast to create a preposition that has appeared in every question in this category?  
A: **aster** (toaster to "to")

### Jackpot

10. Part 1: In 2013, Bruno Latour received the Holberg Prize for his study of what species, which he previously discussed in his book *Laboratory Life*?

Part 2: This species exhibits a symbiotic relationship with bacteria to produce menaquinone ["men-ah-KWIN-one"], or vitamin K.

Part 3: Some believe that the oldest discovered remains of this species were found at the Jebel Irhoud site in Morocco, dated at roughly 300,000 years old.

Part 4: This species is studied by Margaret Mead in *Coming of Age in Samoa*, as well as by other anthropologists.

A: **Homo sapiens sapiens** (accept: early **modern human**, anatomically **modern human**) (prompt on: human being, person) (reject: Homo sapien)

### Set of 3: Newton's Laws of Motion

11. Which of Newton's laws of motion states that every action force has a reaction force of equal magnitude and opposite direction?

A: Newton's **3rd** law of motion

12. Newton's second law states that mass times velocity gives what physical quantity?

A: linear **momentum** (prompt on: p)

13. What property of matter is established by Newton's first law, the tendency of matter to preserve a constant velocity?

A: **inertia**

### Double Jump

14. Section 33 of the Canadian Charter of Rights and Freedoms contains what clause, which gives parliaments the power to override certain portions of the Charter?

A: **notwithstanding** clause

15. Saskatchewan recently invoked the notwithstanding clause to pass what legislation, which requires parental consent for students under 16 to change their preferred name and pronouns in schools?

A: **Education Amendment Act, 2023** (accept: **Parents' Bill of Rights, Bill 137**)

### Double Jump

16. What summer grand tour occurs prior to the Vuelta a España and after the Giro d'Italia in the pro cycling calendar?

A: **Tour de France** (prompt on: France)

17. The first to do so in one season since Marco Pantani, what Slovenian cyclist won both the Giro d'Italia and the Tour de France in 2024?

A: Tadej **Pogačar** ["tah-DAY poh-GA-char"]

## 5-Part Mystery Link

18. What body part is represented in the Hamsa, a symbol often believed to provide protection against the "evil eye"?

A: **hand**

19. What is the all-encompassing term for gastropods whose mantle is exposed because they do not wear shells?

A: **slug**

20. What word precedes "one" and "two" in the names of the third and fourth English football divisions sponsored by Sky Bet?

A: **league**

21. In the *Sonic the Hedgehog* series, what is the English first name of the character more commonly known as Tails?

A: **Miles**

22. What type of cake is made of equal parts flour, butter, eggs, and sugar?

A: **pound** cake

Link: All answers are units of measurements in the imperial system.

## END OF FIRST QUARTER

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## SECOND QUARTER

### Splits: National Anthems & Non-Superhero Graphic Novels

#### National Anthems

23. With what modern-day European country's national anthem does Liechtenstein's "Oben am jungen [YUNG-en] Rhein" share a tune?

A: **United Kingdom** of Great Britain and Northern Ireland (accept: **UK**, **England**, Great **Britain**)

24. Who was commissioned for the 1880 Saint-Jean-Baptiste Day ceremony to write the music to "O Canada"?

A: Calixa **Lavallée**

25. Name any of the 4 countries whose anthem has no official words.

A: **Spain** OR Republic of **San Marino** OR Republic of **Kosovo** OR **Bosnia and Herzegovina** (prompt on: **Bosnia, Herzegovina**)

26. The lyrics to what national anthem come from the poem "Defence of Fort M'Henry" written after the events of the Battle of Baltimore during the War of 1812?

A: "The **Star Spangled Banner**" (prompt on: **American** national **anthem**, **anthem** of the **United States** of **America**)

#### Non-Superhero Graphic Novels

27. The first to win a Pulitzer Prize, what graphic novel biography by Art Spiegelman depicts Jews as the title animal?

A: **Maus**: *A Survivor's Tale*

28. In what country is the first half of Marjane Satrapi's graphic novel *Persepolis* set?

A: Islamic Republic of **Iran**

29. What lesbian cartoonist wrote the graphic memoir *Fun Home: A Family Tragicomic* and also originated a test to measure the representation of female characters in fiction?

A: Alison **Bechdel**

30. What historical figure is depicted on the title character's mask in Alan Moore's *V for Vendetta*?

A: Guy **Fawkes**

### Set of 3: Cities in Painting

31. What city is home to the Musee de Cluny, Centre Pompidou, and the Louvre?

A: **Paris**

32. In what city did artists such as Titian place value on colorito, or colour, as opposed to renaissance Florence, which focused on disegno, or drawing?

A: **Venice**

33. Long yellow lines interspersed with blocks of red, blue, grey, and white are inspired by the 'dynamic rhythm' of what city in Piet Mondrian's painting *Broadway Boogie Woogie*?

A: **New York** City

### Set of 4: In November

All answers will only contain the letters in the word November.

34. With hosts such as Marc Gargan, Peter Parker, and Eddie Brock, what Symbiote is often seen opposing Spider-Man?

A: **Venom**

35. Differentiated from balayage, what hairstyle involves the uniform gradual shift in colour from dark to light starting from the roots?

A: **ombre** ["OHM-bray"]

36. Also called a portent, what phenomenon is believed to foretell the future, most commonly described as good or bad?

A: **omen** (reject: omens)

37. The adjective "ulnar" is attached to what word, together often referred to as the funny bone?

A: **nerve**

### Double Jump

38. You will have 5 seconds. What is the average rate of change of the function  $x$  cubed between the points  $x = 0$  and  $x = 2$ ?

A: **4**

39. You will have 5 seconds. What is the instantaneous rate of change of the function  $x$  cubed at the point  $x=2$ ?

A: **12**

### **Double Jump**

40. What European country owns the ABC islands in the Caribbean including Aruba and Curaçao?

A: The Kingdom of the **Netherlands** (accept: **Holland**)

41. What Dutch overseas territory does B in the ABC islands stand for?

A: **Bonaire**

### **Linked Set of 6**

42. What metallic chemical element names a type of whistle common in traditional Celtic music?

A: **tin**

43. In *The Wizard of Oz*, what is sought from the Wizard in Emerald City by the Tin Man?

A: **heart**

44. What river is the setting for much of Marlow's journey in the novella *Heart of Darkness*?

A: **Congo** River

45. What is the only official language of both Congolese countries?

A: **French**

46. What phrase is used as a signal for life-threatening emergencies and comes from the French for "help me"?

A: **mayday**

47. What Canadian and American federal holiday, similar to May Day in the UK, takes place annually on the first Monday of September?

A: **Labour Day**

**END OF FIRST HALF**

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**THIRD QUARTER**

**Splits: Luck-Based Video Games & Bronze Age Collapse**

**Luck-Based Video Games**

48. Unlucky events such as theft, prairie fires, a broken wheel axle, and dying of dysentery befall players in what 1985 video game?

A: The **Oregon Trail**

49. What "deity" do players comically pray to in hopes of getting good luck, a play on the name of a religious figure of Christianity?

A: **RNGesus**

50. A three-leaf clover represents luck in what indie roguelike dungeon crawler franchise that sees the title character defeat monsters using his tears as projectiles?

A: The **Binding of Isaac**

51. In *Honkai Star Rail*, Qingque's ["CHING-chway's"] combat mechanic is designed around what Chinese tile-based game?

A: **Mahjong** rummy

### **Bronze Age Collapse**

52. At the time of the bronze age collapse, Greece was under the control of what civilization, the first distinctively Greek civilization on the mainland?

A: **Mycenaean** Greece (accept: **Mycenaean** civilization, **Mycenaean** Greeks)

53. What sea's basin was home to the civilizations affected by the Bronze Age Collapse, including the Minoans, Hittites, and Mycenaean Greeks?

A: **Mediterranean** Sea (accept: **Aegean** Sea)

54. While many causes have been theorized, one theory suggests that the collapse may have been due to a mass migration or invasion by what peoples?

A: **Sea** Peoples (reject: **Sea People**)

55. The 7a layer contains archaeological evidence for the destruction of what city, which is theorized to have been the same destruction event that occurs between Homer's *Iliad* and *Odyssey*?

A: **Troy**

### **Set of 4: Bilingualism in Canada**

56. Section 16.1 of the Canadian Charter of Rights and Freedoms guarantees equal access to French and English in which Maritime province?

A: **New Brunswick**

57. Within 3%, what percentage of the Canadian population speaks French as their first official language?

A: **22%** (accept any number between **19%** and **25%**)

58. What is the largest bilingual university in Canada?

A: University of **Ottawa**

59. What act, signed in 1969 by Pierre Elliot Trudeau, established equal status in government to French and English?

A: The **Official Languages Act** (accept: **Loi sur les langues officielles**)

## Jailbreak

60. What Italian tennis player reached #1 in the ATP rankings following Novak Djokovic's withdrawal from the 2024 French Open?

A: Jannik **Sinner**

61. A version of the Perso-Arabic script is used to write what language, a register of Hindustani which has the status of official language in Pakistan?

A: **Urdu**

62. "Shantih shantih shantih" and "April is the cruelest month" are the last and first lines of what poem by T.S. Eliot?

A: "The **Waste Land**"

63. Monetary prizes for many open problems in mathematics, such as a \$500 prize for the Collatz conjecture, were offered by what Hungarian mathematician?

A: Paul **Erdős**

64. What predecessor to jazz, known for its syncopated rhythm, is typically composed for piano and includes such pieces as "The Entertainer" and "Maple Leaf"?

A: **ragtime**

65. What European country's average of 5.7 bunkers per square kilometer can be attributed to the "bunkerization" program of prime minister Enver Hoxha?

A: Republic of **Albania**

66. The Buendia family and the town of Macondo feature in what Gabriel Garcia Marquez novel?

A ***One Hundred Years of Solitude*** (accept: ***A Hundred Years of Solitude***)

67. At E3 2018, Nintendo unveiled what game with the tagline "Everyone is here!"?

A: *Super **Smash Bros. Ultimate*** (prompt on: *Super **Smash Bros.***)

68. What is the only mainland Central American country with no Pacific coast?

A: **Belize**

69. How many movements can be found in Beethoven's Ninth Symphony, the number typical of a classical symphony?

A: **4**

70. In what city were British soldiers under John Zephaniah Holwell imprisoned for one night, leading to several dozen deaths in its so-called "Black Hole"?

A: **Calcutta** (accept: **Kolkata**)

71. What Sanskrit word refers to the cycle of death and rebirth in the cosmology of many Indian religions?

A: **samsāra**

72. What polysaccharide is composed of beta-glycosidic linkages in long chains and is often found in plant cell walls?

A: **cellulose**

## END OF THIRD QUARTER

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## FOURTH QUARTER

## Jackpot

73. Part 1: What video game, first created for the RT-11 operating system on the Electronika 40, was adapted by its creator to the IBM Personal Computer in the following year?

Part 2: K-pop group Aespa interpolated this video game's main theme in the song "Hold On Tight", which features in a movie about Bullet-Proof Software's Henk Rogers.

Part 3: In 2023, thirteen-year-old Willis Gibson became the first person to trigger a kill screen on Level 157, effectively becoming the first person to ever "beat" this game.

Part 4: This game names a psychological effect in which players continue to mentally complete solid horizontal rows of falling blocks, even in their sleep.

A: **Tetris**

### Set of 3: Typography

74. What term refers to the margins between facing pages to account for binding, or the inside margin between columns of text in newspapers?

A: **gutter** margin

75. W. D. Gaster "speaks" in what Microsoft font in *Undertale*, which features symbolic "dingbats" instead of characters?

A: **Wingdings**

76. Often conflated with "font", what term refers to the appearance of a set of letters, numbers, and other characters which comprise a text?

A: **typeface**

### Streak

77. List up to all 4 U.S states whose capital cities share a common first letter with the state they are in.

A: **Delaware**

A: **Hawaii**

A: **Indiana**

A: **Oklahoma City**

### Streak

78. Name up to all six alkaline earth metals.

A: **beryllium** (accept: **Be**)

A: **magnesium** (accept: **Mg**)

A: **calcium** (accept: **Ca**)

A: **strontium** (accept: **Sr**)

A: **barium** (accept: **Ba**)

A: **radium** (accept: **Ra**)

### 13-Part Blitz

79. After World War II, what fashion designer helped revive French fashion by designing the "Bar Suit" as part of his "New Look" collection?

A: Christian Ernest **Dior**

80. What American sculptor created works known as "stabiles", although he is better known for his "mobiles"?

A: Alexander **Calder**

81. What governor-general of the Dutch East Indies named a British penal colony before it was renamed to Tasmania to dissociate from its convict past?

A: Anthony **van Diemen**

82. What Microsoft subsidiary partnered with OpenAI to create the Copilot AI programming tool, and is the world's largest source code host?

A: **GitHub**

83. One of the last uncontacted tribes in the world lives on what island in the Bay of Bengal, just north of South Andaman?

A: **North Sentinel** Island

84. What Greek god was "twice-born", once from his mother Semele ["SEH-meh-lee"] and once from his father Zeus' thigh?

A: **Dionysus**

85. What Canadian author wrote books including *Every Hidden Thing*, *The Nest*, and *Silverwing*?

A: Kenneth **Oppel**

86. What four-letter theonym, the Tetragrammaton, forms the biblical proper name of God in the Hebrew Bible?

A: **YHWH** (accept: **YHVH**, **JHWH**, and pronunciations including "**Yahweh**", "**Yud Hey Vav Hey**")

87. What country experienced the "Years of Lead" which saw the kidnapping and murder of prime minister Aldo Moro by the terrorist group the Red Brigades?

A: **Italy** (accept: **Italian Republic**)

88. What city is set to host the 2034 Winter Olympics, having previously held the 2002 Winter Olympics where Canada won gold in ice hockey after placing a lucky loonie in centre ice?

A: **Salt Lake City**

89. What is the brand name for charms on Crocs shoes, which was acquired by Crocs in 2006?

A: **Jibbitz**

90. What German scientist is best known for being the first to propose continental drift theory?

A: Alfred Lothar **Wegener**

91. What 11-time Mexican president held a state funeral for his amputated leg?

A: Antonio de Padua María Severino López de **Santa Anna** y Pérez de Lebrón

**END OF GAME**