



# GRADWRITE

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## PACK 10

### 6-Part Blitz

1. What American policy analyst names a construct that refers to the policies and beliefs that are seen as generally acceptable at any given time, his namesake "window"?

A: Joseph **Overton**

2. What were the first names of the three Bell siblings, fake authors under whose names the Brontë sisters published?

A: **Acton** AND **Currer** AND **Ellis**

3. What condiment, which can receive PDO status only when produced in Reggio Emilia or Modena ["MAW-den-ah"], is made by double fermenting and barrel aging grape must?

A: **balsamic** vinegar (prompt: vinegar)

4. Andorra lies in what mountain range, which separates Spain from France?

A: **Pyrenees**

5. Laura is told to "come buy, come buy" by the title creatures in what poem by Christina Rossetti?

A: "**Goblin Market**"

6. What two countries fought the 100 Hour War, also known as the Football War?

A: **El Salvador** AND **Honduras**

### Set of 4: Skin

7. What is the name for a medical doctor that specializes in treatment of the skin?

A: **dermatologist**

8. With what autoimmune disorder, which causes a loss of pigmentation in the skin, was Michael Jackson diagnosed?

A: **vitiligo** ["vih-tih-LIE-go"]

9. In Navajo culture, what kind of creature can disguise itself by shape-shifting into other animals?

A: **skin-walker** (accept: **yee naaldlooshii**) (prompt: witch)

10. What man is the single "Skin" believed to be about, allegedly inspired by a love triangle between him, Olivia Rodrigo, and Sabrina Carpenter?

A: Joshua **Bassett**

### Pyramid

11.

**Part 1:** In a musical by Rob Rokicki, what fictional character sings "Six schools in six years / Been kicked out of every place" in the song "Good Kid"?

**Part 2:** In one appearance, this character became the owner of a pet named Mrs. O'Leary after her former owner passed away.

**Part 3:** Controversy over the hair colour of Walker Scobell arose in 2023 after his portrayal of this character in a Disney+ show titled for this character.

**Part 4:** *The Lightning Thief* is the first entry in a series of books named after this character which were written by Rick Riordan.

A: **Percy Jackson** (accept either underlined part)

### Set of 3: Tides

14. What body of water located on Canada's Atlantic coast is home to the most extreme tides in the world?

A: **Bay of Fundy**

15. When the Earth, Sun, and Moon form a right triangle, what type of minimum-range tides occur, the opposite of spring tides?

A: **neap** tides

16. In 2018, a popular internet "challenge" surrounded the consumption of what household product?

A: **Tide PODS**

### Double Jump

17. The volcano Kīlauea ["kee-lau-AY-uh"] is believed to house what fire goddess, who created the Hawaiian islands in Hawaiian myth?

A: Tūtū **Pele** (accept: Madame **Pele**)

18. Thought to reside in Mauna Kea ["MOW-na KAY-uh"], what rival of Pele beat her in a sled race that determined their rule over the land?

A: **Poli-Ahu**

### Double Jump

19. In what city were *The Big Boss* and *The Way of the Dragon* produced, among many other Bruce Lee films?

A: **Hong Kong**

20. What director depicts two people whose spouses are having an affair together in *In the Mood for Love*, a seminal work of Hong Kong cinema?

A: **Wong** Kar-Wai

### 5-Part Mystery Link

21. What mortal rulers wore the pschent ["sss-SHENT"], symbolizing their power over ancient Egypt?

A: **pharaoh**

22. Multiple real weddings were crashed to create the music video for what 2014 song by Maroon 5?

A: "**Sugar**"

23. According to FIDE ["fee-DAY"], a maximum of 3 starting minutes is given to each player in what variant of chess, the fastest general form of speed chess?

A: **bullet** chess

24. What classical element did Plato associate with the tetrahedron?

A: **fire**

25. In what skilled trade did Ole ["OH-lay"] Kirk Christiansen work when he founded LEGO?

A: **carpenter** (accept: **carpentry**) (prompt: woodworking)

All answers are types of ants.

## END OF FIRST QUARTER

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## SECOND QUARTER

### Splits: Spelling Classical Composers & The Vietnam War

#### Spelling Classical Composers

For all questions, you are required to spell the composer's surname in English, without diacritics.

26. How would you spell the surname of the composer of *Pines of Rome*, "Respighi" ["resp-EE-ghee"]?

A: **R-E-S-P-I-G-H-I**

27. How would you spell the surname of the Hungarian composer whose piano performances spawned a namesake "mania" in the early 19th century, "Liszt" ["LIST"]?

A: **L-I-S-Z-T**

28. How would you spell the surname of the composer whose ballet *Gayane* contains his "Sabre Dance", "Khachaturian" ["KOTCH-ah-TOUR-ee-an"]?

A: **K-H-A-C-H-A-T-U-R-I-A-N**

29. How would you spell the married surname of a German piano virtuoso and her composer husband, respectively named Clara and Robert, "Schumann"?

A: **S-C-H-U-M-A-N-N**

#### The Vietnam War

30. What military operation was a targeted aerial bombing campaign over North Vietnam from 1965 to 1968?

A: Operation **Rolling Thunder**

31. What city, from which a helicopter evacuated people from the American Embassy in 1975, was the capital city of South Vietnam?

A: **Saigon** (prompt: Ho Chi Minh City)

32. In what city did the Viet Cong and PAVN carry out a brutal massacre in January and February of 1968 that killed anywhere from 5-10% of its population?

A: **Huế**

33. In a speech at Temple University, what Canadian prime minister criticized American actions in the Vietnam War, leading to a violent confrontation with Lyndon B. Johnson?

A: Lester B. **Pearson**

### Set of 3: Weavers

34. What Chinese festival celebrates the folktale of the Cowherd reuniting with the Weaver Girl on a bridge of magpies?

A: **Qixi** Festival (accept: **Qiqiao** Festival)

35. What warrant officer for the Nostromo is played by actor Sigourney ["sig-GOR-nee"] Weaver in the *Alien* franchise?

A: **Ellen Ripley** (accept either underlined part)

36. In what work is Laertes's burial shroud repeatedly woven and unwoven by Penelope as she waits for the title character to return to Ithaca?

A: *The* **Odyssey**

### Set of 4: Climate Change

37. What greenhouse gas is the second-largest contributor to climate change, and is over 25 times more potent than carbon dioxide?

A: **methane** (accept: **CH4**)

38. Rising sea temperatures and the loss of microscopic algae called zooxanthellae ["ZOH-ah-zan-THELL-ee"] causes what phenomenon in which corals lose their colour?

A: coral **bleaching**

39. What is the first carbon-negative country in the world?

A: **Bhutan**

40. Climatologist Jerry Mahlman originated the use of what two-word sports term to describe the shape that the rapid warming of the 20th century makes on temperature graphs?

A: **hockey stick**

### Double Jump

41. What golf course hosts the only major to be played at the same course each year, the Masters?

A: **Augusta** National Golf Course

42. What Scottish golf course hosts The Open Championship every 5 years, and is considered the oldest golf course in the world?

A: the Old Course at St. Andrew's (accept either underlined part)

### Double Jump

43. Balconette, racerback, and plunge are styles of what kind of form-fitting underwear meant to support breasts?

A: brassieres

44. What kind of bra with distinctive conical cups was first popularised by Lana Turner and other Hollywood actors' "sweater girl" pin-ups in the 1940s and '50s?

A: bullet brassieres

### 6-Part Linked Set

45. The Hill and U.N. Village have become trendy upscale residential areas in what city's Hannam-dong district?

A: Seoul

46. What artist's spectacular performance at a show in Chicago in the 1960s earned her the moniker "Queen of Soul"?

A: Aretha Franklin

47. What type of animal was the title character of a series of children's books by Paulette Bourgeois, Franklin?

A: turtle (accept: tortoise; but reveal: turtle)

48. What American author plays a gym teacher in the movie adaptation of his novel *Turtles All the Way Down*?

A: John Green

49. What metal makes up the roofs of the Canadian Parliament buildings, meaning that as it oxidizes the roofs will turn green?

A: copper

50. What IBA official cocktail, made with vodka, ginger beer, and lime juice, is traditionally served in a copper cup?

A: Moscow mule (prompt: mule, vodka buck)

END OF FIRST HALF

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THIRD QUARTER

**Splits: Mathematical Operators & European Geological Formations**

**Mathematical Operators**

51. When performed on two linearly independent vectors, what operator will return a vector perpendicular to both of them?

A: **cross product** (accept: **vector product**)

52. What binary operation on the space of functions returns the integral of the product of the first function with a reflected and shifted version of the second?

A: **convolution**

53. Also known as del, what is the name of the symbol used for the curl and gradient operators?

A: **nabla**

54. "Not A and B" or "A and not B" is a disjunctive normal form for what logical operator, often represented by a plus sign in a circle?

A: **XOR** (accept: **exclusive OR**)

### **European Geological Formations**

55. Norway's Geiranger ["GIYE-ran-ger"] and Nærøy ["NAH-roy"] are two examples of what formations, deep U-shaped valleys that partly fill with water after the retreat of the glaciers that carved them?

A: **fjords**

56. What geologic period gives its name to a region home to a fossil forest around Lulworth Cove and located along the coast of South West England?

A: **Jurassic** Period

57. Named for a carbonate rock, what subrange of the Alps is located in the three most northeastern regions of Italy?

A: The **Dolomites** (accept: **Dolomite** Mountains, **Dolomitic** Alps, **Dolomite** Alps)

58. Fingal's Cave features columns of what material forming hexagonal shapes similar to those of the Giant's Causeway?

A: **basalt** (prompt: rock)

### **Set of 4: Recluses**

59. What Japanese word, part of which titles a 2020 indie-RPG developed by OMOCAT, refers to people fully isolating themselves from society?

A: **hikikomori**

60. Susan Gilbert, the dedicatee of poems like "Wild Nights – Wild Nights!", was the sister-in-law and potential lover of what famously reclusive poet?

A: Emily **Dickinson**

61. To what taxonomical order does the animal known colloquially as a fiddleback, but officially called a brown recluse, belong?

A: **spider** (accept: **Araneaea**)

62. What historical novel dramatizes the story of tactician Zhuge ["ZOO-guh"] Liang being coaxed out of seclusion by Liu Bei?

A: *The **Romance of the Three Kingdoms*** (accept: ***San Guo Yan Yi***)

## **Jailbreak**

63. What special correspondent mentors Nicky and Violet, among other "Sisters", when she is not writing for The Rodents' Gazette?

A: **Thea** Stilton (prompt: **Stilton**)

64. WDespite originating from Vancouver, what kind of tea latte, which consists of steamed milk, vanilla, and Earl Grey tea, is partly named after a British city?

A: **London fog**

65. What position, previously held by people like Jeanne Sauvé and Julie Payette, is currently held by Mary Simon?

A: **Governor General** of Canada

66. What is the standard electrical socket supply voltage in North America?

A: **120** volts

67. What branch of philosophy focuses on questions surrounding the philosophy of beauty and art?

A: **aesthetics**

68. What pair of characters contemplate hanging themselves on a tree that grows leaves between the first and second acts of *Waiting for Godot*?

A: **Vladimir** AND **Estragon**

69. The oldest strata lie at the bottom of a stratigraphic sequence according to what fundamental law of relative dating?

A: law of **superposition** (accept: principle of **superposition**)

70. What anime is referenced in Megan Thee Stallion's "Otaku Hot Girl", which features lyrics like "fightin' demons in my head like I'm Itadori" and "white wig on... I'm finna go Gojo"?

A: **Jujutsu Kaisen** (accept: **JJK**)

71. What musical work, named for having premiered on a river barge, was written for King George I by George Frederic Handel?

A: **Water Music**

72. Who succeeded Boris Yeltsin as president of Russia, and is currently serving his fifth term?

A: Vladimir **Putin**

73. What city's Baiterek tower is emblematic of its development after replacing Almaty as its nation's capital?

A: **Astana** (prompt: **Nur-Sultan**)

74. What electrical circuit component is represented by a line and a triangle pointing in the allowed direction of current flow?

A: **diode**

75. Referring to its skin wrapping, what is the British term for a baked potato?

A: **jacket potato**

## END OF THIRD QUARTER

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## FOURTH QUARTER

### Pyramid

76.

**Part 1:** Eduard Kullman and Ferdinand Cohen-Blind both attempted to assassinate what man?

**Part 2:** After an intense multi-day pursuit in the North Sea, a battleship named after this man was last hit by the HMS Dorsetshire before sinking.

**Part 3:** This man claimed that Prussia's position will be solidified "not through speeches and majority decisions... but by iron and blood."

**Part 4:** Known as the "Iron Chancellor", this man was the first Chancellor of the German Empire.

A: Otto van **Bismarck**

### Set of 3: NHL Captains

79. Because he played over 25 games before a rule change, who is the only remaining captain in the NHL who chooses not to wear a visor?

A: **Jamie Benn** (prompt: Benn)

80. Steve Yzerman ["EYE-zer-men"] served for 20 years as captain of what NHL team?

A: **Detroit Red Wings** (accept either underlined part)

81. What current NHL captain has the most career goals in NHL history?

A: Alexander **Ovechkin**

### Set of 4: Rotational Dynamics

82. What quantity must be crossed with force to get torque?

A: **radius** (accept: radial **distance**)

83. When given the moment of inertia about a rigid body's centre of mass, what theorem can be used to find the mass moment of inertia?

A: **parallel axis** theorem (accept: Huygens-**Steiner** theorem)

84. What scientist names a fictitious force that arises only in non-uniformly rotating reference frames, as well as three angles used to specify a body's orientation?

A: Leonhard **Euler**

85. What net force points towards the centre of the circular path of an object?

A: **centripetal** force

### 15-Part Blitz

86. What English monarch is believed to be the inspiration for the name of the monarch butterfly, due to its orange colour?

A: King **William of Orange** (accept: **William III**) (prompt: William)

87. What is the lowest belt colour in Brazilian jiu-jitsu, taekwondo, and karate?

A: **white**

88. Having first met as contestants on Season 7 of RuPaul's Drag Race, what two drag queens now host the UHNhhh comedy web series?

A: **Trixie** Mattel AND **Katya** Zamolodchikova

89. What Indigenous language isolate has seen recent revitalization efforts in its namesake British Columbian archipelago?

A: **Haida** (accept: **Xaat Kíl**)

90. Also the first neurologist in space, who was the first female Canadian astronaut?

A: Roberta **Bondar**

91. What song, the first jazz single to sell over a million copies, is titled for its hybrid time signature?

A: "**Take Five**"

92. Who served as Portugal's Prime Minister from 1995 to 2002, and since 2017 has been the Secretary-General of the United Nations?

A: António **Guterres**

93. Created by Suzette Elgin for her novel Native Tongue, what conlang was designed to allow effective communication of the perceptions of women?

A: **Láadan** ["LAH-ah-don"]

94. In what country does Lighthouse Reef create a ring around a sinkhole known as the Great Blue Hole?

A: **Belize**

95. Who made a bronze casting of a couple embracing in a dance hold in The Waltz, which was inspired by her then-passionate relationship with Auguste Rodin?

A: Camille **Claudel**

96. Rebuilt after their forced destruction in the wake of the Peloponnesian War, and ultimately destroyed again by Sulla, what large structures connected Athens to its port at Piraeus?

A: the **Long Walls** of Athens (accept: **Makra Teiche**, **Walls of Athens**)

97. The disorder and joints of what bone connected to the temporal bone are referred to by the medical acronym TMJ?

A: **mandible** (accept: **jawbone**)

98. Team Asobi developed what winner of Game of the Year at the 2024 Game Awards?

A: **Astro Bot**

99. What two-word phrase was used by John Rawls to refer to a thought experiment in which all members of society are behind a "veil of ignorance"?

A: **original position**

100. What vegetable is mentioned in an idiom about someone being able to stay "cool" under pressure?

A: **cucumber**

**END OF GAME**