



# GRADWRITE '24

## PACK 10

**Head Editor:**

Kunaal Chandrashekar

**Pack Editor:**

Susanna Liao

**Contributors:**

Asha Basu

McKenna Gray

Eli Nason

Matthew Stasiw

Charlotte Bauer

Susanna Liao

Adrian O'Leary

Serena Suleman

Kunaal Chandrashekar

Eva Mandelbaum

Nathan O'Leary

Stefan Vlad

James Ferrabee

Simon Mezo

Anna Reso

Chloe Wei

## 5-Part Blitz

1. According to Muslim belief, who appeared to Muhammed in a vision, beginning his documentation of the Quran?

A: the Angel **Gabriel**

2. The remains of a saber-toothed cat and giant ground sloth have been found in what natural landmark in Los Angeles whose name translates to "the the tar tar pits"?

A: the **La Brea** tar pits

3. A moratorium on cod fishing in Canada was put in place during what decade?

A: **1990s** (prompt on: **90s**)

4. Originally designed to resemble a tastebud, what McDonalds advertisement character recently received his own milkshake to celebrate his birthday?

A: **Grimace**

5. What meteorological event was last visible in the US on August 21, 2017 and will next be visible on April 8, 2024?

A: **total solar eclipse** (prompt on: **eclipse, solar eclipse**)

## Set of 4: Scottish Islands

6. Lerwick is the largest community in which northernmost Scottish island that shares their name with a breed of dog and pony?

A: **Shetland** Islands

7. Skye and Lewis & Harris are all islands that are a part of what group that includes inner and outer sets?

A: the **Hebrides** [HEH-bruh-deez]

8. Which islands just off the Northern coast of mainland Scotland have recently considered joining Norway and have many neolithic sites?

A: **Orkney** Islands

9. On what island in the Firth of Clyde is the town of Rothesay, which names the title of the heir to the British throne?

A: **Bute**

## Pyramid – What conflict am I?

10. **Clue A:** The Abraham Lincoln Battalion fought during me. What conflict am I?

**Clue B:** The term "fifth column" was coined during me by Emilio Mola and led to the Paracuellos [par-a-KUAY-ose] massacres. What conflict am I?

**Clue C:** One of the earliest events in me were uprisings in Melilla [meh-LEE-ya] and Ceuta [say-OOH-tah]. What conflict am I?

**Clue D:** Fransico Franco ended up as the unlikely winner of me, an internal conflict on the Iberian peninsula. What conflict am I?

A: **Spanish Civil War**

#### **Set of 4: Danny DeVito**

11. What villain did Danny DeVito portray in *Batman Returns* who was later portrayed by Colin Farrell in *The Batman*?

A: The **Penguin**

12. DeVito appeared in season 2 of which show to portray the father of Dennis and Dee, Frank Reynolds?

A: *It's **Always Sunny In Philadelphia*** (prompt on: **Always Sunny**)

13. Colloquially referred to as Danny DeVito's twin, what Austrian-American later became the governor of California?

A: Arnold **Schwarzenegger**

14. Danny DeVito directed and starred as the father of the title magical genius in what Roald Dahl inspired movie?

A: **Matilda**

#### **Double Jump**

15. How would you spell the word that refers to both a type of flower and a colour somewhere between light blue and violet, periwinkle?

A: **P-E-R-I-W-I-N-K-L-E**

16. How would you spell the word that refers to another flower-named colour that's somewhere between pink, purple, and red, fuchsia [fyOO-schuh]?

A: **F-U-C-H-S-I-A**

## Double Jump

17. The city of Johor Bahru is across the strait of Johor from what Asian city-state?

A: Republic of **Singapore**

18. What English creole language spoken in Singapore is a result of contact of English speakers with speakers of languages such as Malay, Tamil, and Mandarin?

A: **Singlish** (accept: **Colloquial Singaporean English**)

## Mystery Link

19. Which mountain, first climbed by Tenzing Norgay and Edmund Hillary in 1953, is 8,849 m tall?

A: Mount **Everest**

20. Rayleigh scattering explains which everyday phenomenon's blue color?

A: **sky**

21. Which adjective partially names both an ice cream flavor and a mountain range, and titles a "Horror Picture Show"?

A: **rocky**

22. In Rick Riordan's novels, what is the shared last name of cousins Magnus and Annabeth?

A: **Chase**

23. Which military rank fits the category?

A: **Marshal**

All are Paw Patrol characters.

## END OF FIRST QUARTER

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## SECOND QUARTER

### Splits: Wave Physics and Horror Novels

#### Wave Physics

24. In which type of wave is the direction of travel parallel to the direction of the wave's propagation, as contrasted with transverse waves?

A: **longitudinal** waves

25. In a standing wave, what is the name for the distance between the peak of the wave and the equilibrium position?

A: **amplitude**

26. Whose namesake principle states that every point on a wavefront is a source of a wave?

A: Christiaan **Huygens** (accept: Augustin-Jean **Fresnel**)

27. Which French physicist names a wavelength for objects equal to the Planck's constant divided by the object's momentum?

A: Louis **de Broglie** [de BROY]

### Horror Novels

28. What 2002 children's novella features Mr. Bobo, The Ghost Children, and the Other Mother?

A: **Coraline**

29. What is the subtitle of Mary Shelley's *Frankenstein*?

A: *The **Modern Prometheus***

30. What American novelist wrote *At the Mountains of Madness*, *The Cats of Ulthar*, and *The Call of Cthulhu*?

A: Howard Phillips **Lovecraft**

31. In Stephen King's *Carrie*, what substance does Carrie get doused in after being elected prom queen?

A: **pig's blood** (prompt on: **blood**)

### Set of 4: NHL Superlatives

32. What is the least populous city to have an NHL team?

A: **Winnipeg**, Manitoba

33. Which NHL team has won the most number of Stanley Cups?

A: Montréal **Canadiens** (prompt on: **Montréal**)

34. Which two states have the geographically closest arenas, at only 9 km apart?

A: **New York** and **New Jersey**

35. Which NHL team has had the longest time since their last Stanley Cup?

A: Toronto **Maple Leafs**

### Set of 3: Formulas in Economics

36. The sum of government purchases, private investment, private consumption, and net exports gives what economic measure is used to predict a country's total economic output?

A: **GDP** (accept: **gross domestic product**)

37. What is the product of quantity sold and price?

A: **revenue**

38. The reciprocal of the reserve ratio is the formula for what comparison between money in the reserves and money in the economy?

A: **money multiplier**

### Double Jump

39. Whose namesake conjecture states that every even natural number greater than 2 is the sum of 2 primes?

A: Christian **Goldbach**

40. What name is given to prime numbers that are one less than a power of two?

A: **Mersenne** primes

### Double Jump

41. Who is called the "Father of the String Quartet"?

A: Franz Joseph **Haydn**

42. What instrument is the lowest voice in a standard string quartet?

A: violon**cello**

### Linked Set of 6

43. August 2019 saw a record number of fires in what largest rainforest of the world?

A: **Amazon** rainforest

44. Originally known as "Project D", what voice-activated smart speaker from Amazon responds to "Alexa"?

A: Amazon **Echo**

45. What murder mystery in a monastery is written by Italian author Umberto Eco?

A: *The **Name of the Rose***

46. What American state hosted the 1999 FIFA Women's World Cup at a famous sports stadium, the Rose Bowl in its city of Pasadena?

A: **California**

47. Serving as an American Idol judge from seasons 16 to 22, what singer-songwriter performed hits like "Teenage Dream" and "California Gurls"?

A: Katy **Perry** (accept: Katheryn **Hudson**)

48. What Disney Channel animated series takes place in Danville and features characters like Candace, Dr. Doofenshmirtz, and Perry the Platypus?

A: **Phineas and Ferb**

## END OF FIRST HALF

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## THIRD QUARTER

### Splits: Redheads in Literature and Infants

#### Redheads in Literature

49. What is Anne's last name in Lucy Maud Montgomery's *Anne of Green Gables*?

A: **Shirley**

50. Originally called "girl with a daisy", which character has friends such as Lemon Meringue and Blueberry Muffin?

A: **Strawberry Shortcake**

51. Superhumanly strong, what Swedish children's book character was written by Astrid Lindgren?

A: **Pippi Longstocking** (accept either)

52. In the Harry Potter series, who is the eldest child of Arthur and Molly Weasley?

A: **Bill** Weasley

#### Infants

53. The frontal bones, parietal bones, and occipital bone fuse together at 2 years of age to form what bone system?

A: **cranium** (accept: **skull**)

54. Only normal in infants up to 2 years old, what reflex occurs when the toes fan out after the sole of the foot is stroked?

A: **Babinski** reflex (accept: **extensor plantar** reflex, **Babinski** sign)

55. Newborn babies cannot breathe out of their mouth except while doing what action?

A: **crying**

56. What kind of doctor, whose name means "new birth studier" in Greek, cares for newborn babies?

A: **neonatologist**

#### Set of 4: Animals in Paintings

57. Which series of 18 paintings by Cassius Coolidge features anthropomorphized canines playing cards around a table?

A: **Dogs Playing Poker**

58. Which artist depicted a little brown dog standing at the bottom of *The Arnolfini Wedding*?

A: Jan **van Eyck**

59. A painting by Jacques-Louis David features what French general crossing the Alps atop a rearing horse?

A: **Napoleon** Bonaparte

60. A woman in a purple dress holds what animal on a leash in Georges Seurat's *A Sunday Afternoon on the Island of La Grande Jatte*?

A: **monkey**

#### Jailbreak

61. In object-oriented programming, an object is an instance of what data type?

A: **class**

62. What scale, typically ranging from 0 to 12, measures wind speed?

A: The **Beaufort** scale

63. Following the November 19th election, which far-right libertarian was elected president of Argentina?

A: Javier **Milei**

64. Which Qing-era pirate was among the most successful female pirates of all time and terrorized large parts of the South China Sea?

A: **Zheng Yi Sao** (accept: **Ching Shih, Shih Yang**)

65. What American fantasy comic book series by Jeff Smith sees cousins Fone, Phoney, and Smiley separated and lost in a vast uncharted desert?

A: **Bone**

66. *Natasha, Pierre & The Great Comet of 1812* is a Tony-nominated musical based on a 70-page segment of what famously long Tolstoy work?

A: **War and Peace**

67. Dominion Day is a former name of what summertime holiday?

A: **Canada Day**

68. The horror film *Freaks* from 1932 originated the chanting of what 3 word phrase which is said when the circus inducts new members?

A: **"One of Us"**

69. Evaluate twelve cubed plus one cubed, also equal to ten cubed plus nine cubed.

A: **1729**

70. Which instrument, a predecessor to the modern piano, has a name literally meaning loud soft?

A: **fortepiano** (accept: **pianoforte**)

71. With the third season released in March 2024, what Netflix drama follows the romance between classmates Simon Eriksson and Prince Wilhelm of Sweden?

A: **Young Royals**

72. What country had a cultural revolution that lasted until 1976 with the death of its leader Mao Zedong?

A: People's Republic of **China**

73. In electrochemistry, what is the most common oxidation state for oxygen?

A: **-2** (do not accept: **2**)

## END OF THIRD QUARTER

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## FOURTH QUARTER

**Pyramid – Who am I?**

74. **Clue A:** My 1991 divorce led to an awards based rivalry in 2009 between me and my ex-wife. Who am I?

**Clue B:** The first feature film I ever directed was *Piranha II: The Spawning* in 1982, which would be followed up two years later by a far more popular film that spawned a massive franchise. Who am I?

**Clue C:** I have a particular love of water. I was the first person to make a solo trip to the bottom of the Mariana Trench and often express that love through my movies. Who am I?

**Clue D:** I directed three of the top 4 highest grossing films of all time and am most famous for *Terminator*, *Avatar*, and *Titanic*. Who am I?

A: James **Cameron**

#### Set of 4: Libya

75. Which long time leader of Libya wrote *The Green Book* and was assassinated in 2011?

A: Muammar Muhammad Abu Minyar al-**Gaddafi**

76. Which dish, common throughout Libya and the rest of North Africa, consists of small steamed granules of rolled semolina?

A: **COUSCOUS**

77. Which Libyan city saw a 2012 terrorist attack by the group Ansar al-Sharia on an American diplomatic compound, and is the 2nd most populous in Libya?

A: **Benghazi** [ben-gAH-zee]

78. After capturing the Ottoman vilayet of Tripolitania, which European nation colonized Libya?

A: **Italy**

#### Streak

79. Name up to all of the plants that a number of Indigenous communities called the "three sisters".

A: **corn** (accept: **maize**, **mandaamin**)  
**beans** (accept: **mashkodesimin**, any specific kind of bean)  
**squash** (accept: **okosimaan**)

## Streak

80. Name up to all seven English function-based names for the degrees of the major scale.

A: tonic  
supertonic  
mediant  
subdominant  
dominant  
submediant  
leading note (accept: leading tone, subsemitone)

## 13-Part Blitz

81. The Tigris and Euphrates rivers are referred to in the name of what ancient civilization, which literally translates to "land between the rivers"?

A: Mesopotamia

82. After winning a Grammy award for narrating her autobiography in 2023, which American actress achieved EGOT status?

A: Viola Davis

83. What c-word refers to words with multiple meanings that oppose each other?

A contronym (accept: contranym)

84. Name either of the syllabaries developed in Japan to better represent the Japanese language than using Chinese characters.

A: Hiragana or Katakana (accept either)

85. Whose namesake principle is more commonly known as the 80/20 rule?

A: Vilfredo Federico Damaso Pareto

86. The abandoned Russian coal mining town of Grumant lies on which Norwegian archipelago in the Arctic Ocean?

A: Svalbard

87. Which Korean-American author is best known for the generational epic set in the Japanese occupation of Korea, *Pachinko*?

A: Min Jin Lee

88. Which *Looney Tunes* character is known for being an enemy of characters such as Henery Hawk and Barnyard Dawg?

A: Foghorn Leghorn

89. How many hydrogen atoms are in a benzene ring?

A: 6

90. What is the longest book of the Bible?

A: Psalms

91. What is the highest value musical note that is written without a dot but with a tail?

A: eighth note (accept: quaver)

92. Featuring Ilmarinen and the Sampo, which national epic of Finland was compiled from Finnish mythology?

A: Kalevala

93. Often tested with the Stanford-Binet test, 15 points is the standard deviation and 100 points is the average for what scale?

A: IQ (accept: intelligence quotient)

**END OF GAME**