



## 2023-24 High School Qualifier (T3) – Pack 3

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# PACK 3

## 5-Part Blitz

1. Who depicted a bald man dressed in all blue, sitting in a chair, and clutching his head in a painting known as *Sorrowing Old Man* or *At Eternity's Gate*, only months before his own suicide at age 37?  
A: Vincent **van Gogh**
2. What kind of natural disaster delayed the start of Game 3 of the 1989 World Series between the San Francisco Giants and the Oakland Athletics?  
A: **earthquake**
3. What capital of the Ashanti empire remains a major city in modern Ghana?  
A: **Kumasi**
4. Above what age is a mother considered to be having a geriatric pregnancy?  
A: **35**
5. Who was the Roman equivalent of Hermes?  
A: **Mercury**

## Double Jump

6. What Canadian band had hits with "New Orleans is Sinking" and "Ahead by a Century" before the 2017 death of their lead singer, Gord Downie?  
A: The **Tragically Hip** (prompt on: The Hip)
7. In what song by the Hip does Downie refer to the title people as "Himalayas of the mind"? In this song's chorus, he sings "Don't tell me what [the title people] are doing".  
A: "**Poets**"

## Double Jump

8. 2061 will see the next inner solar system appearance of what celestial object, last seen by the naked eye in 1986?  
A: **Halley's Comet**
9. What comet, visible in the late 1990s, caused the mass suicide of many members of the Heaven's Gate cult?  
A: Comet **Hale-Bopp**

## Set of 4: Pizza

10. Who is the titular mascot of a pizza franchise in a video game by Scott Cawthon?  
A: **Freddy Fazbear** (accept either bolded part)
11. What is the sum of the numbers on the domino in the Domino's Pizza logo?  
A: **3**
12. Despite its name, what popular kind of pizza actually originated in Chatham, Ontario?  
A: **Hawaiian** pizza
13. A basic pizza topped with tomatoes, mozzarella and garnished with basil is known by what term?  
A: pizza **margherita**

## Jackpot

14. Part 1: The early phases of what battle saw a small ship named Nusret launch an overnight mission that successfully repelled an entire invading fleet led by John de Robeck?
15. Part 2: On April 25th, the first day of land combat in this battle, the colonel commanding the 19th division hastily launched a counter-attack towards Suvla Bay and successfully recaptured Hill 700 and "The Nek" from the invading force.
16. Part 3: Following this battle, Winston Churchill was fired from his role as First Lord of the Admiralty, while Mustafa Kemal rose to prominence.
17. Part 4: This World War I battle is commemorated on ANZAC day in Australia and New Zealand, and saw an Allied force attempt an invasion of the Ottoman Empire.  
A: Battle of **Gallipoli** (accept: **Gallipoli** campaign, **Dardanelles campaign**)

### Set of 3: Musical Numbers

18. How many minutes are there in a non-leap year?  
A: **525,600**
19. How many Federalist Papers did Alexander Hamilton write, according to modern historians?  
A: **51**
20. What is Jean Valjean's prison code?  
A: **24601**

### 5-Part Blitz

21. The injectable form of the diabetes medication semaglutide is sold under what brand name?  
A: **Ozempic**
22. Who is abandoned at a Christian orphanage where the janitor Mr. Shaibel teaches her how to play chess, in a Netflix miniseries?  
A: **Elizabeth "Beth" Harmon** (accept any bolded part)
23. Amonton's laws describe what force, which has static and kinetic forms?  
A: **friction**
24. The Varangian chieftains Oleg the Wise and Rurik are considered the founders of what medieval kingdom that contained lands in present-day Belarus, Russia, and Ukraine?  
A: **Kievan Rus**
25. What sporting event has been held three times: in 1996, won by the United States; and in 2004 and 2016, won by Canada?  
A: **World Cup of Hockey** (accept: **Hockey World Cup**)  
(prompt on: World Cup)

## END OF FIRST QUARTER

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## SECOND QUARTER

### Splits: Ancient Languages & Piano

#### Ancient Languages

26. The words "person" and "military" may come from what undeciphered pre-Indo-European language, spoken in much of central Italy before being overtaken by Latin in the 4th century BC?  
A: **Etruscan**

27. A decree announcing the royal cult of Ptolemy the Fifth was written in three scripts on what object, which was used to decipher hieroglyphics?  
A: **Rosetta Stone**
28. Panini ["PAW-nee-nee"] standardized the grammar of what language, used to write the Vedas and the *Mahabharata*?  
A: **Sanskrit**
29. What is the earliest known writing system, used to record Akkadian and Sumerian with its wedge-shaped signs?  
A: **cuneiform**

### **Piano**

30. Whose *Piano Sonata Number 11 in A Major* includes a third movement nicknamed the "Rondo alla Turca"?  
A: Wolfgang Amadeus **Mozart**
31. As seen in pieces such as John Cage's *Sonatas and Interludes*, what term refers to a piano that has its sounds adjusted through the putting of everyday objects inside?  
A: **prepared** piano
32. Whose *Piano Concerto Number 5 in E-flat Major* is nicknamed "Emperor"?  
A: Ludwig van **Beethoven**
33. What is the highest note on a standard piano?  
A: **C** (accept: **C8**)

### **Double Jump**

34. In what country are QQ and WeChat the most popular messaging apps?  
A: **China**
35. What is the second-most popular messaging app in India after WhatsApp? It is known for its end-to-end encryption and has a blue logo with a white paper airplane.  
A: **Telegram**

### **Double Jump**

36. Geoffrey of Monmouth's fictional work *Historia Regnum Britanniae* helped popularize what king, who pulled the sword Excalibur from a stone?  
A: King **Arthur** Pendragon (prompt on: Pendragon)
37. At the mythical Battle of Camlann, Arthur battles what traitorous knight to their mutual deaths?  
A: **Mordred** (accept: **Medraut**)

### **Set of 4: "P" in Finance**

The following terms will all begin with the letter P.

38. What term refers to proportionally dividing the cost of a service based on the exact amount of time that the service was used?  
A: **prorating** (accept word forms)
39. What word refers to the amount of money someone borrows when they take out a loan? Simple interest is calculated solely based on this amount.  
A: **principal**
40. What word refers to fixing the value of a currency to that of one or more other currencies?  
A: **pegging** (accept word forms)

41. What word means a collection of stocks, bonds, or other assets? People who invest money are often encouraged to diversify these.  
A: **portfolios**

#### Set of 4

42. Who is the central character of the longest continuously running movie franchise, first appearing in a 1954 film where he attacks Tokyo?  
A: **Godzilla** (accept: **Gojira**)
43. Praised for its social commentary and visual effects on only a 15-million-dollar budget, what is the most recent film in the Godzilla franchise?  
A: **Godzilla Minus One**
44. What Japanese term, literally meaning "strange beast", can be used to describe Godzilla and other giant monsters?  
A: **kaiju**
45. In films from 1962 and 2021, Godzilla is shown battling what monster from Skull Island, a giant gorilla?  
A: King **Kong**

#### 5-Part Blitz

46. The Enterprise train service operates between what two cities on the island of Ireland?  
A: **Dublin** AND **Belfast**
47. What word refers to the expression under the radical in the quadratic formula, which determines the number of zeroes of a quadratic equation?  
A: **discriminant**
48. Marcus Aurelius was a follower of what philosophical school, founded by Zeno of Citium, which taught that virtue was sufficient for happiness, meaning that hardships should have no effect on the happiness of a virtuous person?  
A: **Stoicism** (accept: **Stoic** philosophy)
49. The German-derived dialect Hunsrik and a descendant of the Tupi language called Nheengatu are native to what country?  
A: **Brazil**
50. What couple's newest child is named Tau Techno Mechanicus?  
A: **Grimes** (accept: Claire **Boucher**) AND Elon **Musk**

#### END OF FIRST HALF

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#### THIRD QUARTER

#### Splits: Chemical Reactions & Switzerland

##### Chemical Reactions

51. A reaction that takes in heat from the environment is known by what term?  
A: **endothermic** reaction
52. What word means the study of the relationship between the masses of products and reactants before and after a chemical reaction?  
A: **stoichiometry**
53. What gas is produced in incomplete combustions but not complete combustions?  
A: **carbon monoxide** (accept: **CO**)

54. What is produced along with table salt in the neutralization of hydrochloric acid and sodium hydroxide?  
A: **water** (accept: **H2O**)

### Switzerland

55. Alongside Italian, German, and French, what is the fourth official language of Switzerland?  
A: **Romansh**
56. Located in the eastern Alps, what Swiss city annually hosts the World Economic Forum?  
A: **Davos**
57. What organization, whose logo is a colour inversion of the Swiss flag, was founded in Geneva in 1863 with the aim of protecting victims of war?  
A: International Committee of the **Red Cross**
58. What heroine is considered the female personification of Switzerland?  
A: **Helvetia**

### Set of 3: Anagrams

Given the definitions of a pair of anagrams, give both words.

59. Loud and out-of-control, and a payment made by the bride's family to the groom's family.  
A: **rowdy** AND **dowry**
60. A polysaccharide produced by plants and contained in potatoes, and maps or graphs.  
A: **starch** AND **charts**
61. A lack of something, and a long, thin fibre.  
A: **dearth** AND **thread**

### Jailbreak

62. What polymer forms the base of cell walls in most bacteria?  
A: **peptidoglycan**
63. The treaty of Guadalupe Hidalgo in 1848 brought an end to what conflict?  
A: **Mexican-American War**
64. What court painter for King Henry VIII depicted two diplomats in front of a green curtain in *The Ambassadors*?  
A: Hans **Holbein** the Younger
65. What single word titles songs by Nick Jonas and Chromeo?  
A: **jealous**
66. The Visayas, Mindanao, and Luzon are among the islands that make up what country?  
A: The **Philippines**
67. Traditional square Iberian decorative tiles inspired what strategy board game, in which players arrange differently-patterned tiles in five rows to score points?  
A: **Azul**
68. What name is given to the main printed circuit board inside a computer, on which the CPU and other crucial components are attached?  
A: **motherboard**
69. What term can describe a period in a regular expression, or an NFL team that qualifies for the playoffs without winning its division?  
A: **wildcard**
70. Who ascended to the throne by murdering his brother, later married his brother's widow, and tried to have his nephew prince Hamlet killed?  
A: King **Claudius**

71. Joey Graziadei is the star of the 28th season of what reality show?  
A: *The **Bachelor***
72. What adjective refers to body parts that still exist but no longer serve a purpose?  
A: **vestigial**
73. Uncas is the title hero of what book of the *Leatherstocking Tales*, written by James Fenimore Cooper?  
A: *The **Last of the Mohicans***
74. What term means the highest point of a wave, contrasted with the trough ["troff"]?  
A: **crest**
75. "Something in the Orange" and "I Remember Everything" are songs by what country musician, whose self-titled album debuted at number 1 in 2023?  
A: Zach **Bryan**

### END OF THIRD QUARTER

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### FOURTH QUARTER

#### Jackpot

76. Part 1: In one novel, what type of animal is able to regain its strength on an island where the ground consumes anything that steps on it each night?
77. Part 2: This animal gives its name to a short story where it is trampled to death in a ravine by a stampede of buffalo coming from both ends. The animal's hide is then laid out on Council Rock.
78. Part 3: The speaker of one poem asks this animal "What immortal hand or eye, could frame thy fearful symmetry?"
79. Part 4: Shere Khan from *The Jungle Book* and Richard Parker from *Life of Pi* are examples of this animal.  
A: **tiger**

#### Streak

80. Name up to all of the five largest islands in the Caribbean Sea.
- A: **Cuba**
- A: **Hispaniola**
- A: **Jamaica**
- A: **Puerto Rico**
- A: **Trinidad**

#### Streak

83. Name up to all three of the cities that hosted conferences to negotiate Canadian confederation in the 1860s.
- A: **Quebec** City
- A: **Charlottetown**
- A: **London**, England/United Kingdom/UK/Great Britain

#### Set of 5

84. What is the more common name for a regular quadrilateral?  
A: **square**

85. *Dragon Age* and *Final Fantasy* are produced by what video game publisher?  
A: **Square Enix**
86. What mall, the second-largest in Canada, is at the intersection of Hurontario Street and Highway 403 in Mississauga?  
A: **Square One** Shopping Centre
87. Taking the power to one half is equivalent to what operation?  
A: **square root** (prompt on: **root**)
88. The intersection of Seventh Avenue, 42nd Street, and Broadway in Manhattan is home to what major plaza?  
A: **Times Square**

### 12-Part Blitz

89. The upscale apartment complex Arconia is the setting of what TV series about three true crime-loving strangers who work together to investigate suspicious deaths there?  
A: **Only Murders in the Building**
90. In the 11th century, what Danish king united Denmark, England, and Norway under the North Sea Empire?  
A: **Cnut the Great** (accept: **Cnut II**) (prompt on: **Cnut**)
91. The second storyline of what movie features a snack-bar worker who dances to "California Dreamin'" while cleaning a police officer's apartment?  
A: **Chungking Express**
92. In mammals, hair grows out of what structures in the skin?  
A: hair **follicles**
93. What word completes the following inscription on a ruined statue's pedestal: "My name is Ozymandias, king of kings: Look on my works, ye Mighty, and [BLANK]"?  
A: **despair**
94. In which American state are Derry, Jerusalem's Lot, and Castle Rock located in the novels of Stephen King?  
A: **Maine**
95. In most modern chess sets, which piece has a cut on top, similar in appearance to a piece of clerical headwear?  
A: **bishop**
96. What proponent of cool jazz is behind the 1959 album *Time Out*?  
A: Dave **Brubeck**
97. In which borough of New York is Yankee Stadium?  
A: The **Bronx**
98. Considered the world's busiest by passenger traffic, what airport serves the city of Atlanta?  
A: **Hartsfield-Jackson** Atlanta International Airport
99. Named after the type of person the clothes are supposedly borrowed from, what term describes comfortable, oversized masculine clothes adapted to fit women's bodies?  
A: **boyfriend** style/clothes/fashion
100. Which two planets in the Solar System do not have moons?  
A: **Mercury** AND **Venus**

**END OF GAME**