



## 2023 Summer Open (T3) – Pack 6

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# PACK 6

## FIRST QUARTER

### 4-Part Blitz

1. What Welsh-American explorer famously found David Livingstone in modern-day Tanzania?

A: Henry Morton **Stanley**

2. What German composer is most famous for his *Canon in D*?

A: Johann **Pachelbel**

3. What precedes Twelvyy, Rocky, and Ferg in the names of rappers?

A: **ASAP**

4. What kind of person “knows the price of everything and the value of nothing”, according to Oscar Wilde?

A: **cynic**

### Jackpot

5.

Part 1: What colour of jersey is given to the race leader of the Giro d'Italia cycling competition? This colour has also traditionally served as Palermo FC's home kit.

Part 2: This color is worn by the central figure of Jean-Honore Fragonard's painting *The Swing*.

Part 3: This is the original colour of the egg-shaped makeup sponge called a beauty blender.

Part 4: A “tax” of this colour refers to the tendency of products marketed specifically towards women to be more expensive.

A: **pink**

### Set of 4

9. The 1964 Nobel Prize in Literature was awarded to and declined by what French existentialist philosopher?

A: Jean-Paul **Sartre**

10. What two-word term was used by Sartre to describe inauthentic behaviour that individuals adopt in rejection of their personal freedom?

A: **bad faith** (accept: **mauvaise foi**)

11. In Sartre's play *No Exit*, Garcin concludes that hell is what?

A: other **people** (accept: les **autres, others**)

12. Sartre is buried with what other philosopher with whom he had an open relationship and who wrote *The Second Sex*?

A: Simone de **Beauvoir**

#### Set of 4: Aptonyms

13. Who led Ontario's Conservatives in the 2007 election and was the mayor of Toronto until resigning in February after an affair with a staffer?

A: John **Tory**

14. Who managed Arsenal for a remarkable 22 years from 1996 to 2018?

A: Arsène **Wenger**

15. Who replaced Reggie Fils-Aimé as the president of Nintendo America in 2019?

A: Doug **Bowser**

16. Who wrote *The Preludes* and worked with Samuel Taylor Coleridge to compose *Lyrical Ballads*, eventually becoming Poet Laureate of England?

A: William **Wordsworth**

#### Double Jumps

17. What public figure was the target of an assassination attempt by John Hinckley Jr. in 1981?

A: Ronald **Reagan**

18. Named for the White House Press Secretary wounded in the assassination attempt, what federal legislation was enacted in 1993 to mandate background checks and a five-day waiting period for the purchase of firearms?

A: **Brady Bill** (accept: **Brady** Handgun Violence Prevention **Act**)  
(prompt on: **Brady**)

19. A buffoonish version of Adolf Hitler, played by director Taika Waititi ["TY-ka WY-tee-tee"], is the imaginary friend of the main character in what 2019 dark comedy?

A: **Jojo Rabbit**

20. What earlier Waititi film follows Ricky, a juvenile delinquent, who disappears into the New Zealand bush with his foster uncle Hec?

A: **Hunt for the Wilderpeople**

## Set of 5

21. What school's men's basketball team won 5 national championships from 1991 to 2015 under Coach K and is nicknamed the Blue Devils?

A: **Duke** University

22. What European country is the world's last remaining grand duchy?

A: Grand Duchy of **Luxembourg**

23. Who is the current duke of Rothesay, Cornwall, and Cambridge?

A: Prince **William** (accept: **William**, Prince of Wales)

24. "It Don't Mean a Thing (If It Ain't Got That Swing)" and "Take the A Train" were both standards for what jazz composer's big band?

A: Edward "Duke" **Ellington**

25. Claiming to have a Duke in order to take 3 coins from the treasury is a common strategy in what deception card game?

A: **Coup**

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## SECOND QUARTER

### Splits: In-Game Economies & Biomes

#### In-Game Economies

26. Epic Games' battle royale game *Fortnite* uses what in-game currency?

A: **v-bucks**

27. On a standard American *Monopoly* board, what is the final and most expensive property available for purchase?

A: **Boardwalk**

28. A hexagon with a square inside it is the design for what currency from *Roblox*?

A: **robux**

29. What currency from the *Legend of Zelda* games shares its name with the currency of India?

A: **rupees**

#### Biomes

30. Antarctica consists almost entirely of what biome, often defined as any area that receives under 250 millimetres of precipitation per year?

A: polar **desert**

31. Sometimes considered a marine biome, many coastlines feature biodiverse “forests” of what kind of brown seaweed?

A: **kelp** forests

32. The understory, emergent, floor, and canopy are layers found in what biome, prevalent in the Malay Archipelago, central Africa, and the Amazon basin?

A: tropical **rainforest** (prompt on: jungle)

33. Found in coastal areas such as California and Patagonia, biomes named for what body of water are characterized by warm, dry summers and mild, wet winters?

A: **Mediterranean** Sea

### **Set of 3: Linear Algebra**

34. If a linear transformation acts on a unit square, the area of the image will be equal to the absolute value of what property of the associated matrix?

A: **determinant**

35.  $Ax + By + Cz + D = 0$  is the general equation for what type of object?

A: two-dimensional **plane**

36. Wilhelm Jordan and what other mathematician give their names to the process of elimination, or row reduction, of a matrix?

A: Carl Friedrich **Gauss**

### **Set of 4: At the Mall**

37. What do the letters CF stand for in the names of many major Canadian malls?

A: **Cadillac Fairview**

38. In which state is the largest mall in the United States, the Mall of America?

A: **Minnesota**

39. What actor plays the title role in *Paul Blart: Mall Cop*?

A: Kevin **James**

40. What city is home to the indoor amusement park Galaxyland in the largest mall in Canada?

A: **Edmonton**

### **Double Jumps**

41. What American national park is home to several formations popular with rock climbers, such as Half Dome and El Capitan?

A: **Yosemite** National Park

42. What rock climber scaled the 884-metre face of El Capitan in June 2017 without the use of any ropes, a feat that was recorded in the documentary film *Free Solo*?

A: Alex **Honnold**

43. What country's literary works include *Kafka on the Shore*, *Norwegian Wood*, and *1Q84* ["one Q eighty-four"]?

A: **Japan**

44. What author names the prize awarded biannually to the best story by a rising Japanese author?

A: Ryunosuke **Akutagawa**

### **Linked Set of 6**

45. In the New Testament, who was the Virgin Mary's husband?

A: Saint **Joseph**

46. In what Canadian city can nothing be built higher than the cross on St. Joseph's Oratory atop Mount Royal?

A: **Montreal**

47. The protection of what atmospheric layer damaged by chlorofluorocarbons was the objective of the Montreal Protocol?

A: **ozone** layer

48. How many atoms are in one molecule of ozone?

A: **three**

49. After straw and sticks failed, what building material was successfully employed by the third of the Three Little Pigs?

A: **bricks**

50. The Danish words for "play well" name what toy company best known for their colourful interlocking bricks?

A: **LEGO**

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## **THIRD QUARTER**

### **Splits: The Nervous System & British Television**

#### **The Nervous System**

51. The brain and spinal cord make up what part of the nervous system?

A: **central** nervous system (accept: **CNS**)

52. What alliterative three-word phrase refers to the semipermeable border between the circulatory system and the central nervous system?

A: **blood-brain barrier**

53. What fifth cranial nerve is responsible for motion in the face and mouth such as that of chewing?

A: **trigeminal** nerve

54. What part of a nerve is damaged in multiple sclerosis?

A: **myelin** sheath

### **British Television**

55. Broadcast by the BBC since 1953, what documentary series is the world's longest running public affairs television program?

A: **Panorama**

56. Chief Whip Francis Urquhart is the protagonist of what political drama set in the halls of British government, later adapted for the US by Netflix?

A: **House of Cards**

57. In February, what comedian revealed that he and his daughter would star in a reboot of the classic 1970s sitcom *Fawlty Towers*?

A: John **Cleese**

58. Dipsy, Po, Laa-Laa, and Tinky Winky are the titular characters in what British children's series?

A: **Teletubbies**

### **Set of 3: Word Puzzles**

In each question, provide the letter that must be added to the first word described to create the second word described. Letters may be scrambled. You will have five seconds for each question.

59. The first word is the name of the "fairies' midwife" described by Mercutio. The second word means "to smile brightly".

A: **E** (Mab to beam)

60. The first word is the surname of the man who was put on trial for the death of Thomas Scott. The second word is the brightest star in the constellation Orion.

A: **G** (Riel to Rigel)

61. The first word means to point something, such as a gun, at a target. The second word refers to large objects created by the Rapa Nui people.

A: **Q** (aim to moai)

## Jailbreak

62. Mstislav Rostropovich, Jacqueline du Pré, and Yo-Yo Ma all play what instrument?

A: **cello**

63. New Orleans was devastated by what hurricane in 2005?

A: Hurricane **Katrina**

64. How many personal fouls must a player commit to foul out of an NBA game?

A: **6**

65. What active stratovolcano with an exceptionally symmetric cone is the highest mountain in Japan?

A: Mount **Fuji** (accept: **Fujisan**, **Fugaku**)

66. Salted duck eggs, lotus seed paste, and red bean paste are common fillings of what Chinese baked good, traditionally eaten during the Mid-Autumn Festival?

A: **moon cake**

67. The music video to what Katy Perry song starts with her husband-to-be hesitating to say "I do" at the altar?

A: **"Hot N Cold"**

68. Which month represents a letter in the NATO phonetic alphabet?

A: **November**

69. What laboratory process for determining the presence of specific DNA sequences is named for a British biologist and not a cardinal direction?

A: **Southern blot**

70. The Dashwood sisters represent the two title concepts in what novel by Jane Austen?

A: ***Sense and Sensibility***

71. What was the primary language spoken by the Incan Empire?

A: **Quechua** ["KETCH-wah"]

72. In Joules per mole per Kelvin, and to the nearest whole number, what is R in the equation  $PV = nRT$ ?

A: **8** Joules per mole per Kelvin

73. What is the name of Prince Harry's recently-published memoir?

A: ***Spare***

74. What letter is Hester Prynne forced to wear in Nathaniel Hawthorne's *The Scarlet Letter*?

A: **A**

75. The Amazon River flows into what body of water?

A: **Atlantic** Ocean



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## FOURTH QUARTER

### Jackpot

76.

Part 1: Due to a run-off slurry called marmettola, environmentalists are increasingly calling for what substance's traditional sources in the Apuan Alps to be closed off to economic activities?

Part 2: In antiquity, this resource was associated with Mount Pentelicus, the island of Paros, and the city of Carrara, which is still a valuable source for it today.

Part 3: In the early 1800s, a collection of objects made of this material were moved from Ottoman Greece to Britain, and eventually displayed in the British Museum.

Part 4: This material is formed by the metamorphosis of limestone, and Michelangelo used it to sculpt his *David* and the *Pieta*.

A: white **marble**

### Streak

80. Give the usernames of up to all of the top six English-language streamers with the most Twitch followers.

A: **Ninja**  
**xQc**  
**Tfue**  
**shroud**  
**pokimane**  
**Sodapoppin**

### Set of 4: The Year 1905

83. What Latin phrase was used to refer to the year 1905 in the scientific career of Albert Einstein?

A: **annus mirabilis**

84. What composer wrote symphonies nicknamed "The Year 1905" and "The Year 1917"?

A: Dmitri **Shostakovich**

85. Which two provinces entered Canada in 1905?

A: **Alberta** AND **Saskatchewan**

86. What war was ended by the Treaty of Portsmouth in 1905?

A: **Russo-Japanese** War

#### 14-Part Blitz

87. What is the more common word for an apiarist?

A: **beekeeper**

88. Catalysts are added to reactions in order to lower what threshold quantity needed for a reaction to take place?

A: **activation energy**

89. What lake in Cameroon experienced a limnic eruption in 1986, killing over 1,700 people?

A: Lake **Nyos** ["NEE-ohs"]

90. In Homeric Greek mythology, what word referred to the mortal offspring of a god and a human?

A: **hero**

91. What liquid is coagulated to make tofu?

A: **soy milk** (prompt on: soy)

92. According to the lyrics of a 1967 song, the singer has to go and spoil it all by saying something stupid like what phrase?

A: **I love you**

93. In what desert state are many of Georgia O'Keeffe's landscape paintings set?

A: **New Mexico**

94. From 1397 to 1523, the crowns of Norway, Sweden, and Denmark were joined in a personal union known by what name?

A: **Kalmar Union**

95. Name either of the provinces that share the Torngat mountains.

A: **Quebec** OR **Newfoundland and Labrador** (reject: Newfoundland)

96. What centre won three straight NBA Finals MVPs from 2000 to 2002 while teaming with Kobe Bryant?

A: Shaquille **O'Neal** (accept: **Shaq**)

97. What kind of aircraft is known in French as a montgolfière?

A: **hot air balloon** (prompt on: balloon)

98. What word refers to a hardened, toughened area of skin formed by repeated pressure or friction?

A: **callus**

99. What does NASA stand for?

A: **National Aeronautics** and **Space Administration**

100. What American city contains a state capitol building with a plaque declaring that it is exactly one mile above sea level?

A: **Denver**