



## 2023-24 High School Championship (T4) – Pack 14

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# PACK 14

## 5-Part Blitz

1. Behind arabica, what is the second most represented species of coffee plant in worldwide coffee production?  
A: **robusta** coffee
2. Detroit's industries were the subject of a 27-mural series by what Mexican artist?  
A: Diego **Rivera**
3. Court life in what country is recounted in novels like *The Pillow Book* and *The Tale of Genji*?  
A: **Japan**
4. What notoriously deadly and hard-to-climb mountain is the world's second-tallest?  
A: **K2** (accept: Mount **Godwin-Austen**)
5. What Indian province suffered a famine during World War II?  
A: **Bengal**

## Double Jump

6. The four Atlantic provinces, in which it is 15%, and Ontario, where it is 13%, are the five provinces that have adopted what tax together with the federal government?  
A: **harmonized sales** tax (accept: **HST**)
7. Though it is called a sales tax, the HST is actually what kind of tax, because it is applied at every stage of the production and sale of a good or service, to the difference in price from the previous stage?  
A: **value added** tax (accept: **VAT**)

## Double Jump

8. What anagram of "allergy" means a building where art is displayed?  
A: **gallery**
9. You will have 5 seconds. Give either of the other two English words that are anagrams of "allergy".  
A: **largely** OR **regally**

## Set of 4: Not the Capital

10. The Oresund bridge links Copenhagen to what city, the third-largest in Sweden?  
A: **Malmo**
11. What was the only majority-Jewish city in Europe for almost 4 centuries, after having previously "co-ruled" the Byzantine empire with Constantinople?  
A: **Salonika** (accept: **Thessaloniki**, **Thessalonika**)
12. Now Europe's largest seaport, the bombing of what city led to the Dutch surrender in World War II?  
A: **Rotterdam**
13. One of the world's 4 fashion capitals, what city's San Siro stadium is home to two elite soccer clubs, one of them known as "Inter"?  
A: **Milan**

## Jackpot

14. Part 1: What was the home city of the NFL team that set the single-season record for most yards allowed in 2012, a year after setting the single-season record for most yards gained in 2011?
15. Part 2: This city's NBA team once acquired Al-Farouq Aminu, Chris Kaman, Eric Gordon, and a first-round pick in a trade.
16. Part 3: A team from this city won Super Bowl 44 by beating Peyton Manning's Colts. This spring, this city's NBA team was swept by the Thunder in the first round of the playoffs.
17. Part 4: Zion Williamson plays for the Pelicans in this city, which is also home to the NFL's Saints.  
A: **New Orleans**

### Set of 3: Environmentalist Songs

18. Who addressed climate change with lyrics like "Running out of water, it's about to go down" and "Every day gets hotter than the one before" on the song "Feels Like Summer"?  
A: **Childish Gambino** (accept: Donald **Glover**)
19. What band encouraged minimizing consumption with the lyric "Control yourself, take only what you need from it" on their song "Kids"?  
A: **MGMT**
20. What did they put up after they paved paradise, according to the chorus of Joni Mitchell's "Big Yellow Taxi"?  
A: a **parking lot**

### 5-Part Blitz

21. The second movement of Beethoven's 8th Symphony parodies the sounds made by what device, which is used to keep a steady beat when practising music?  
A: **metronome**
22. Including the Rh factor, what is the least common blood type worldwide?  
A: **AB negative/minus**
23. In Java, what seven-letter keyword is used in class inheritance?  
A: **extends** (reject word forms)
24. In February, what 1997 game received a remake entitled *Rebirth*?  
A: **Final Fantasy VII**
25. 53 stations of what "eastern sea route" were depicted in a series of ukiyo-e woodcuts by Hokusai?  
A: the **Tokaido**

## END OF FIRST QUARTER

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## SECOND QUARTER

### Splits: Cats & the Arabian Peninsula

#### Cats

26. What trait is shared by the Donskoy and Sphynx breeds of cat?  
A: **hairlessness** (accept: **furlessness**, **baldness**) (accept clear equivalents)
27. What term is used to refer to mostly-white cats with two other colours on their coats, most commonly orange and black patches?  
A: **calico** cats
28. A cat breed originating from what island has a mutation which causes them to have a tail stub or no tail?  
A: Isle of **Man**

29. What cat behaviour involves alternatingly moving its front paws back and forth with a grasping motion?  
A: **kneading** (accept: **making biscuits**)

### **The Arabian Peninsula**

30. Qatar and Bahrain lie in what body of water?  
A: **Persian Gulf** (prompt on: the Gulf)
31. Most of the peninsula's south is covered by what barren sandy desert?  
A: **Empty Quarter** (accept: **Rub' al Khali**) (prompt on: the Arabian Desert)
32. What is by far the poorest country on the peninsula, with the lowest Human Development Index of any non-African country?  
A: **Yemen**
33. The Gulf of Aqaba separates the Arabian Peninsula from what smaller peninsula, owned by Egypt?  
A: **Sinai** Peninsula

### **Double Jump**

34. Created by Rebecca Sugar in 2013, what cartoon follows the titular boy and his adventures with the Crystal Gems?  
A: **Steven Universe**
35. What *Steven Universe* character has the ability to control water and was trapped in a mirror for thousands of years before being freed by Steven?  
A: **Lapis Lazuli** (accept either bolded part)

### **Double Jump**

36. Real, magnified images can be produced by what kind of mirror, with an inwardly-curved reflecting surface?  
A: **concave** mirror (accept: **converging** mirror)
37. A concave mirror will produce a real, inverted image that is the same size as the object if the object is located at what point?  
A: **centre of curvature** (prompt on: 2F)

### **Set of 4: Balloons**

38. What was the surname of the brothers who made the first hot air balloon flight in 1783?  
A: **Montgolfier**
39. What artist's *Love is in the Bin* sold for over 18 million euros at auction, and is a shredding of his earlier *Girl with Balloon*?  
A: **Banksy**
40. How many red balloons title an anti-war protest song by the German band Nena?  
A: **99** red balloons
41. Cameron and Lindstrand are the main sellers of what type of small hot air-balloon, meant for a single person?  
A: cloud**hopper** balloon

### **Set of 4**

42. Which American state lies north of Wyoming, east of Idaho, and west of the Dakotas?  
A: **Montana**

43. Found in northern Montana, what national park is directly across the border from Waterton Lakes National Park?  
A: **Glacier** National Park
44. The northern reservation of what Indigenous group is found in Montana, not far from the reservation of their historic enemies, the Crow tribe?  
A: **Cheyenne** tribe/people
45. Although Billings is its largest city, what is the capital of Montana?  
A: **Helena**

### Linked Set of 5

46. After Rogers, Telus, and Bell, what is the next-largest telecom company operating in Canada?  
A: **Freedom** Mobile
47. In his 1941 State of the Union address, how many fundamental freedoms did Franklin Delano Roosevelt propose?  
A: **four**
48. What word refers to an uncastrated male horse below four years of age?  
A: **colt**
49. In 1836, what product was patented by Samuel Colt?  
A: **revolvers** (prompt on: handguns, firearms, weapons)
50. What band released the 1966 album *Revolver*?  
A: The **Beatles**

### END OF FIRST HALF

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### THIRD QUARTER

#### Splits: Probability Calculations & Famous Pairs

##### Probability Calculations

Give the probability of each of the following events happening, expressed as a fraction in lowest terms.

51. The second card drawn from a deck being a king given that the first card drawn was also a king.  
A:  **$\frac{1}{17}$**
52. Rolling a total of 9 on two regular dice.  
A:  **$\frac{1}{9}$**
53. Randomly choosing a square containing a pawn on a chess board in the starting position.  
A:  **$\frac{1}{4}$**
54. You will have five seconds. Getting exactly 3 heads on 5 flips of a coin.  
A:  **$\frac{5}{16}$**

##### Famous Pairs

55. Tom Stoppard wrote a play titled for what two Shakespearean characters, childhood friends of Hamlet's who visit him on Claudius's orders?  
A: **Rosencrantz AND Guildenstern**
56. Originating in cryptographical problems, where they were used for the sender and receiver of a coded message, what two placeholder first names are used in many math and science thought experiments?  
A: **Alice AND Bob**

57. What are the names of the Dioscuri, a pair of twins who were transformed into the constellation Gemini?  
A: **Castor** AND **Pollux**
58. The 2010 and 2018 Olympic gold medals in ice dance went to what Canadian pair?  
A: Tessa **Virtue** AND Scott **Moir**

### Set of 3: Food Webs

59. What term refers to the position an organism takes in a food web?  
A: **trophic level**
60. Contrasted with decomposers, which directly absorb nutrients from decaying matter, what kind of organisms eat decaying matter?  
A: **detritivores**
61. What term refers to a species at the top of a food web?  
A: **apex predator**

### Jailbreak

62. Several generations of Chile's tumultuous history are fictionalized in what Magical Realist novel by Isabel Allende?  
A: *The **House of the Spirits***
63. What show's episode "Clouds on the Horizon" featured a same-sex kiss between characters Amity Blight and Luz Noceda?  
A: *The **Owl House***
64. Sun Quan ["chwan"], Liu Qi ["chee"], and Liu Bei defeated Cao Cao's ["tsao tsao's"] forces at what early-third-century naval battle on the Yangtze?  
A: Battle of **Red Cliffs**
65. What linguistic term describes two different words, possibly in different languages, that share an etymology?  
A: **cognates**
66. Grey Goose is a brand of what alcoholic spirit?  
A: **vodka**
67. The protagonist dies "like a dog" at the end of what Franz Kafka novel?  
A: *The **Trial***
68. Under what legal status was Britney Spears held from 2008 until 2021?  
A: **conservatorship**
69. What word describes a volcano that is not ready to erupt soon but may still do so in the future?  
A: **dormant**
70. Who invented the saxophone?  
A: Adolphe **Sax**
71. What explorer lends his name to the third tallest peak in Africa, and is famous for his quote "Dr. Livingstone, I presume?"?  
A: Henry Morton **Stanley**
72. What profession is shared by the fictional characters Alex Reiger and Travis Bickle?  
A: **taxicab driver** (accept: **cab driver**, **cabbie**) (prompt on: **driver**)
73. What word can refer to a direction or a type of insulating padding used in bedding and jackets?  
A: **down**
74. Justin Welby is the current holder of what position, the head of the Anglican church?  
A: **Archbishop of Canterbury**
75. The equation AB + CD to AD + BC represents what general kind of chemical reaction?  
A: **double decomposition/double displacement/double replacement** reaction (accept: **salt metathesis** reaction)

## END OF THIRD QUARTER

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### FOURTH QUARTER

#### Jackpot

76. Part 1: What location, which was likely inhabited by hundreds of yanakuna servants, contains a notable stone inclined 13 degrees to the north?
77. Part 2: This location was abandoned about 80 years after being constructed, in the aftermath of a bloody civil war between two brothers.
78. Part 3: This location was likely built for the emperor Pachacuti. Centuries later, in 1911, it was brought to international attention by Hiram Bingham.
79. Part 4: Cusco is the closest major city to this Incan village high in the Andes.  
A: **Machu Picchu**

#### Streak

80. Name up to all six of the books with "Anne" in the title in a series by Lucy Maud Montgomery.  
A: **Anne of Green Gables**  
A: **Anne of Avonlea**  
A: **Anne of the Island**  
A: **Anne of Windy Poplars** (accept: **Anne of Windy Willows**)  
A: **Anne's House of Dreams**  
A: **Anne of Ingleside**

#### Set of 3: Christmas

83. How many ships came sailing in on Christmas Day, according to a classic carol?  
A: **three**
84. The line "Every time a bell rings, an angel gets his wings" appears in what classic Christmas movie starring Jimmy Stewart?  
A: **It's a Wonderful Life**
85. Although it is located closer to Indonesia, what country controls Christmas Island?  
A: **Australia**

#### Set of 3: "Somewhere Over the Rainbow"

86. Who performed the original rendition of "Somewhere Over the Rainbow" while starring as Dorothy Gale in *The Wizard of Oz*?  
A: Judy **Garland**
87. According to the song, what do troubles melt like "way above the chimney tops"?  
A: **lemon drops**
88. What instrument featured prominently in a popular 1990 medley of "Somewhere Over the Rainbow" with "What a Wonderful World"?  
A: **ukulele**

#### 12-Part Blitz

89. What is the only country in the world whose workweek runs from Sunday through Thursday, with Friday and Saturday as the weekend?  
A: **Israel**
90. Who argued that gender is performative in the book *Gender Trouble*?  
A: Judith **Butler**
91. What was the first name of the only son of the Bronte family?  
A: **Branwell**
92. What is the tallest land animal in the world?  
A: **giraffe**
93. What word refers to the integral of the dot product of a vector field and the normal vector over a surface?  
A: **flux**
94. Also found in France's national motto, what concept is "leading the people" in a Eugene Delacroix painting?  
A: **liberty** (accept: **liberté**)
95. Modern computer screens mostly use what scanning format, in which all of the lines of each frame are drawn in sequence?  
A: **progressive** scanning
96. In what city did a man carrying shopping bags stand in the middle of a wide street to block the path of several tanks on June 5th, 1989?  
A: **Beijing**
97. What rare earth element forms alloys with iron and boron to create the strongest commercially-available magnets in the world?  
A: **neodymium** (accept: **Nd**)
98. What action titles a poem which describes how "the squat pen rests; snug as a gun", written by Seamus Heaney?  
A: **digging**
99. A bulldog aptly named "Dog" is the mascot for what caffeine-free brand of root beer?  
A: **Mug** Root Beer
100. What term is used to refer to a one-piece article of clothing combining a short-sleeved shirt and shorts?  
A: **romper** suit (accept: **playsuit**)

**END OF GAME**