



## 2023-24 High School Championship (T4) – Pack 13

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# PACK 13

## 5-Part Blitz

1. As it was no longer possible to be immediately sure whom one was talking to, what greeting increased greatly in usage after the invention of the telephone?  
A: **hello**
2. What two-word phrase is used to indicate that a string player should hit the strings with the back of the bow?  
A: **col legno**
3. In what roguelike game does the player control five heroes and fight battles with die-rolling?  
A: **Slice & Dice**
4. What group of islands controlled by Taiwan are separated from the south of China by Xiamen Bay?  
A: **Kinmen** (accept: **Quemoy**)
5. A military term meaning half an hour after midnight gave its name to what 2012 movie about the hunt for Osama bin Laden?  
A: **Zero Dark Thirty**

## Double Jump

6. Since 1995, Britain's Jonathan Edwards has held the world record in what track and field event, whose 2020 Olympic gold medalists were Pedro Pichardo and Yulimar Rojas, and which begins with a "hop" and a "skip"?  
A: **triple jump**
7. To within two metres, what is Edwards's world record for the triple jump?  
A: **18.29** metres (accept answers from **16.29** metres to **20.29** metres)

## Double Jump

8. A pH of 5 is characteristic of what membrane-bound organelle important in breaking down and recycling a variety of macromolecules?  
A: **lysosome**
9. What other membrane-bound organelle is the site of the breakdown of fatty acids that are too large to be broken down by other organelles?  
A: **peroxisome**

## Set of 4: "X in Y" in Media

The following answers will all be in the form "X in Y"; for example, "Alice in Wonderland".

10. Lily Collins plays an American working abroad in marketing on what Netflix show?  
A: **Emily in Paris**
11. Released four years after Freddie Mercury's death but incorporating recordings he had made, what was Queen's final studio album?  
A: **Made in Heaven**
12. What cult film follows the exploits of Raoul Duke and Dr. Gonzo under the influence of various drugs in the title city, and is based on a Hunter S. Thompson novel of the same title?  
A: **Fear and Loathing in Las Vegas**

13. What song was a Canadian top 40 hit for both its original writer Bruce Cockburn ["CO-burn"] as well as the Barenaked Ladies, who covered it seven years later?  
A: "**Lovers in a Dangerous Time**"

### Jackpot

14. Part 1: In one appearance, what character is told that he isn't a bird by a crow, after which he becomes stuck in Kensington Gardens?  
15. Part 2: A version of this character is the father of Rumpelstiltskin and was portrayed by Robbie Kay in the ABC series *Once Upon a Time*.  
16. Part 3: This character saves Tiger Lily after she is left to die on Marooners' Rock by treacherous pirates.  
17. Part 4: This character appears at the window of Wendy Darling and flies with her to Neverland in a story by J.M. Barrie.  
A: **Peter Pan** (accept either bolded part)

### Set of 3: Environmental Art

18. Robert Smithson created what Land Art piece, which extends off the northeast shore of Great Salt Lake?  
A: **Spiral Jetty**  
19. Hundreds of stenciled hands in Argentina, as well as depictions of stags, bison, and cattle in France, can be found in what kind of natural locations?  
A: **caves**  
20. The Paracas culture is considered to be responsible for the earliest of what geoglyphs, found in a Peruvian desert?  
A: **Nazca Lines**

### 5-Part Blitz

21. Who has often brandished a chainsaw to represent his sweeping spending cuts since taking power as president of Argentina?  
A: Javier **Milei**  
22. Bridgetown is the capital of what Caribbean nation?  
A: **Barbados**  
23. Who wrote about the Trisolarans in *The Three-Body Problem*?  
A: **Liu** Cixin ["LEE-oo TSEE-sheen"]  
24. What piece of hardware, often used instead of CPUs for AI training, also allows a computer to display high-quality video?  
A: **graphics processing unit** (accept: **GPU**, **graphics card**)  
25. What song tells the story of a jumbuck stolen by a swagman who was camping under a coolibah, then got chased by a squatter, and jumped into a billabong to drown rather than be caught alive?  
A: "**Waltzing Matilda**"

## END OF FIRST QUARTER

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## SECOND QUARTER

### Splits: Former Colonial Names & Superhero Shows not by Marvel or DC

#### Former Colonial Names

26. The surname of what English colonist appeared in the colonial names of both Zambia and Zimbabwe?  
A: Cecil **Rhodes**
27. Île-Royale was the name French settlers gave to what place?  
A: **Cape Breton** Island
28. What modern-day country was known as Upper Volta until its name was changed in 1984 by a Marxist president?  
A: **Burkina Faso**
29. What was the name of the French colony which included modern-day Cambodia, Laos, and other South-East Asian regions?  
A: French **Indochina** (accept: **Indochinese Union**, **Indochinese Federation**)

### **Superhero Shows not by Marvel or DC**

30. A famous scene from what show depicts the J.K. Simmons-voiced Omni-Man yelling at his son Mark to "THINK!" after viciously beating him?  
A: ***Invincible***
31. Although it only ran for one season, from 1966 to '67, what show has since become a cult favourite for introducing Bruce Lee to American audiences as Kato, the partner of the titular hero?  
A: *The* ***Green Hornet***
32. Set at Godolkin University's School of Crimefighting, what show depicts the lives of young aspiring superheroes and is a spinoff of *The Boys*?  
A: ***Gen V***
33. "Save the cheerleader, save the world" is repeated throughout what show, which features Zachary Quinto as a villain who can steal other people's powers?  
A: ***Heroes***

### **Double Jump**

34. Quality time, acts of service, and words of affirmation are all examples of what, according to a pop psychology paradigm?  
A: five **love languages**
35. What American pastor and talk show host developed the concept of love languages?  
A: Gary **Chapman**

### **Double Jump**

36. Which planet orbits the Sun about once every 12 years, at a distance of 5.2 astronomical units?  
A: **Jupiter**
37. Jupiter's rocky core is surrounded by a thick layer made up of what conducting liquid?  
A: **metallic hydrogen** (prompt on: hydrogen, H)

### **Set of 4: Deep Water**

38. What adjective beginning with the letter "B" refers to the deepest zone in a body of water?  
A: **benthic**
39. Challenger Deep can be found in what Pacific Ocean trench, the deepest in the world?  
A: **Mariana** Trench (accept: **Marianas** Trench)
40. What is North America's deepest lake?  
A: **Great Slave** Lake

41. What word follows “Deepwater” in the name of the Transocean oil rig that exploded in the Gulf of Mexico in 2010, causing the biggest oil spill in history?  
A: **Horizon**

#### Set of 5: Acoustics

42. A pipe closed at one end has a length of 40 centimetres. How long, in centimetres, is the wavelength of the fundamental frequency?  
A: **160** centimetres
43. What ancient Greek names a method of tuning based on the 3-to-2 frequency ratio of a perfect fifth?  
A: **Pythagoras**
44. What quantity is equal to the ratio of the speed of an object to the speed of sound in the medium through which the object is travelling?  
A: **Mach** number
45. What two-word term refers to the phenomenon in which one vibrating object induces a vibration in a nearby object with the same fundamental frequency?  
A: **sympathetic resonance** (accept: **sympathetic vibration**)?
46. Whales and bats can navigate using what process of reflecting sound waves off of obstacles?  
A: **echolocation** (accept: **biosonar**) (prompt on: **sonar**)

#### Linked Set of 4

47. Nearly half of the world’s smartphones run on the 14th major release of what operating system?  
A: **Android**
48. What American science fiction author wrote the novel *Do Androids Dream of Electric Sheep*?  
A: Phillip K. **Dick**
49. The aftermath of what war is the focus of an alternate history novel by Dick entitled *The Man in the High Castle*?  
A: **World War II** (accept: the **Second World War**)
50. What city hosted trials of leading German generals and politicians after the War?  
A: **Nuremberg**

### END OF FIRST HALF

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### THIRD QUARTER

#### Splits: Legal Defences & Organic Nomenclature

##### Legal Defences

51. What nickname refers to the defence used by Dan White’s lawyers that argued that his sudden increased consumption of junk food was a symptom of mental illness, which led to his acquittal on the charge of murdering Harvey Milk?  
A: **Twinkie** defence
52. A defendant who finds it necessary to commit a crime because of the threat of physical violence can use what defence to avoid conviction?  
A: **duress**
53. From the Latin meaning “for good”, what term describes work that lawyers take on for free?  
A: **pro bono**

54. Who sang "I've been a bad bad girl" and "what I need is a good defence" on her song "Criminal"?  
A: Fiona **Apple**

### Organic Nomenclature

55. What three-letter prefix is used for substituted alkenes in which the substituents are found on the same side of the double bond?  
A: **cis**
56. What is the common name of ethyne, the simplest alkyne ["AL-kine"] with a formula C<sub>2</sub>H<sub>2</sub>?  
A: **acetylene**
57. What is the common name of ethene, the simplest alkene, which plays an important role in fruit ripening?  
A: **ethylene**
58. How many carbon atoms are in methylpropane?  
A: **4**

### Set of 3: European Cheeses

59. Maasdam, Edam, and Gouda are all cheeses named after places in what country?  
A: the **Netherlands** (accept: **Holland**)
60. Referencing the two provinces where it is made, parmesan is officially known in Italian by what protected two-word name?  
A: **Parmigiano Reggiano**
61. What military officer and politician once quipped "How can you govern a country that has 246 varieties of cheese?" out of frustration with his country's turbulent politics?  
A: Charles **de Gaulle**

### Jailbreak

62. What function of  $x$  satisfies the basic differential equation  $f'$  equals  $f$ ?  
A: **e to the power of  $x$**  (accept: **exponential function**)
63. Who composed a set of 8 humoresques for solo piano, the seventh in G-flat minor often transcribed for other instruments for beginner music students?  
A: Antonin **Dvorak** ["DVOR-zhak"]
64. Who wagged his finger after making many of his 3,289 career shot blocks, second in NBA history behind Hakeem Olajuwon?  
A: Dikembe **Motumbo**
65. The gentle Eloi are preyed upon by the Morlocks in what H.G. Wells novel?  
A: *The **Time Machine***
66. What philosophical position holds that your mind is the only thing you can be sure actually exists?  
A: **solipsism**
67. Laredo, Ciudad Juárez, and El Paso are all cities situated on what river, which demarcates much of the border between the US and Mexico?  
A: **Rio Grande** (accept: **Rio Bravo del Norte**)
68. At the end of every week, the player can choose between a new line, carriage, bridge, or station expansion in what subway-system-designing video game?  
A: **Mini Metro**
69. What ruler founded the Achaemenid Empire in 550 BC?  
A: **Cyrus the Great** (accept: **Cyrus II**) (prompt on: Cyrus)
70. What gerund is found both in the name of a bird abundant in Wood Buffalo National Park, and in the common name of the ailment medically known as pertussis?  
A: **whooping**

71. What company's jingle asks "Why buy a mattress anywhere else?"?  
A: **Sleep Country** Canada
72. What phenomenon is described as "thou breath of Autumn's being" in an ode by Percy Shelley?  
A: the **west wind** (prompt on: the wind)
73. The films *The Tragedy of Macbeth* and *Drive-Away Dolls* are individual projects by what pair of directors, who worked together on films such as *Inside Llewyn Davis* and *Fargo*?  
A: **Coen** Brothers (accept: Joel **Coen** AND Ethan **Coen**, the **Coens**)
74. Known for its rectangular bottle and octagonal glass stopper, what perfume was launched in 1921 by its namesake brand?  
A: **Chanel No. 5**
75. In 2023, what company changed its brand name to AtkinsRéalis following its involvement in numerous scandals both in Canada and abroad?  
A: **SNC-Lavalin**

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### END OF THIRD QUARTER

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### FOURTH QUARTER

#### Jackpot

76. Part 1: What city's Chinatown lies around Yaowarat Road? Many of this city's tallest buildings line Sathon Road, another part of which is known as Wireless Road.
77. Part 2: This city's growth in the late 20th century has led to huge problems with traffic and air pollution, problems partially remedied by the construction of the four-line MRT subway and the Skytrain.
78. Part 3: This city lies along the Chao Phraya river and is known as "Krung Thep" in the local language. Popular tourist areas in this city include Khaosan Road and the red light district at Patpong.
79. Part 4: With a population of nearly 20 million, this is the largest city in mainland Southeast Asia and the capital of Thailand.  
A: **Bangkok** (accept: **Krung Thep** Maha Nakhon on Part 1 and Part 2)

#### Streak

80. Give the actual names of up to all of the Spice Girls.  
A: Victoria **Beckham** (accept: Victoria **Adams**)  
A: Geri **Haliwell-Horner** (accept either bolded part)  
A: Melanie **Chisholm** (prompt on: Mel C)  
A: Melanie **Brown** (prompt on: Mel B)  
A: Emma **Bunton**

#### Streak

83. Not including compound words, identify up to all five plural nouns in contemporary English that end in the letters "E N".  
A: **men**  
A: **women**  
A: **children**  
A: **brethren**  
A: **oxen**

## Set of 4

85. The “acquisition of unwarranted influence” by what group was warned against in the farewell address of Dwight Eisenhower, in which he coined a term to refer to them?  
A: **military-industrial complex**
86. Despite cost overruns of almost 200 billion dollars on its F-35 program, what American company remains the world’s largest military contractor?  
A: **Lockheed Martin**
87. Though many do not fulfill the requirement, what alliance requires members to spend 2% of their GDP per year on their military?  
A: **NATO** (accept: the **North Atlantic Treaty Organization**)
88. First used to describe a group of American congressmen during the War of 1812, what animal-inspired term is often applied to pro-war politicians?  
A: war **hawks** (accept: **hawkish**)

## 12-Part Blitz

89. What title is given to the United States' equivalent of a foreign affairs minister?  
A: **Secretary of State**
90. What country is home to a triple junction where the Antarctic, South American, and Nazca plates meet?  
A: **Chile**
91. What word can refer to a compartment for storing ammunition or to a periodical publication?  
A: **magazine**
92. On what island was the painting *Where Do We Come From? What Are We? Where Are We Going?* created by Paul Gauguin?  
A: **Tahiti**
93. The sports teams of Clemson and Auburn universities are named for what big cat?  
A: **tigers**
94. What is the highest mountain in the Canadian Rockies?  
A: Mount **Robson**
95. Leonardo of Pisa was a mathematician better known by what mononym?  
A: **Fibonacci**
96. When used on social media, what longer word is “moot” short for?  
A: **mutual**
97. What gift is traditionally given for a 25th wedding anniversary?  
A: **silver**
98. In what city are the headquarters of the United States Centers for Disease Control and Prevention?  
A: **Atlanta**
99. What is the most recent installment in the *Mission Impossible* franchise?  
A: *Mission Impossible: **Dead Reckoning Part 1***
100. What is the most recent installment in the *Mission Impossible* franchise?  
A: *Mission Impossible: **Dead Reckoning Part 1***

**END OF GAME**