



2024-25 High School Qualifier (T2) – Pack 9

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PACK 9

5-Part Blitz

1. What single keyword can be put in the condition of a while loop to create an infinite loop?
A: **true**
2. Foreign workers employed in so-called “specialty occupations”, like in the tech industry, can work in the United States under what type of visa?
A: **H-1B** visa
3. In 1727, the British Parliament passed an act to make what German-born composer a British subject?
A: George Frederick **Handel**
4. What character, who has the theme song “One Winged Angel”, is the main villain of *Final Fantasy 7*?
A: **Sephiroth**
5. What lake is found between Lake Huron and Lake Erie?
A: Lake **St. Clair**

Double Jump

6. Two and a half times the height of Mount Everest, what is the tallest mountain in the Solar System?
A: **Olympus Mons**
7. What other Martian landmark is the deepest canyon in the solar system?
A: **Valles Marineris**

Double Jump

8. Often contrasted with models that use I.C.E.s, the Taycan [“tie-CON”], Mach-E, and Model S are all examples of what type of vehicle?
A: battery **electric** vehicles (accept: **EVs**, **electric** cars)
9. The Seagull, Dolphin, and Yuan are all models from what Chinese auto manufacturer, one of the two largest electric vehicle producers in the world along with Tesla?
A: **BYD** Auto

Set of 4: Sets

10. What is the minimum possible number of games in a single set of tennis?
A: **6**
11. How many cards are in the card game *Set*?
A: **81**
12. Who loses an eye when he challenges Set for the throne of Egypt after Set murders Osiris?
A: **Horus**
13. Elements belonging to both sets A and B are given by what operation on the two sets?
A: **intersection** (accept: **intersecting**)

Jackpot

14. Part 1: What country's south features a region called the Casamance, which is home to a Jola separatist movement?
15. Part 2: The Atlantic slave trade is memorialized by a "Door of No Return" on this country's Gorée Island.
16. Part 3: The Wolof people are the largest ethnic group in this country, which almost entirely surrounds a different country.
17. Part 4: This westernmost country in continental Africa has its capital at Dakar.
- A: **Senegal**

Set of 3: Canadian Music Festivals

18. Hosted annually in Downsview Park, what Toronto-based EDM festival has featured headliners including Illenium, Zedd, and Martin Garrix?
- A: **VELD** Music Festival
19. Burl's Creek Event Grounds hosts what multi-day country music and camping festival?
- A: **Boots and Hearts** Music Festival
20. Green Day, Noah Kahan ["kon"], and SZA ["SIZZ-uh"] headlined what music festival in Montreal in summer 2024?
- A: **Osheaga** Music and Arts Festival

5-Part Blitz

21. How many neutrons are in an atom of the doubly-magic calcium-48?
- A: **28**
22. *Mary Stuart*, *Don Carlos*, *The Robbers*, and *William Tell* are all works by what German playwright?
- A: Freidrich **Schiller**
23. Who "kissed the girls and made them cry" in a classic nursery rhyme?
- A: **Georgie Porgie** (prompt on partial answers)
24. What "G"-word refers to the principal lighting engineer on a film set?
- A: **gaffer**
25. Copra and coir ["KOY-er"] are both byproducts of what large fruit that can be used to make palm wine?
- A: **coconut**

END OF FIRST QUARTER

SECOND QUARTER

Splits: Died in Office & Recently Extinct

Died in Office

26. Who was the first Canadian prime minister to die in office?
- A: Sir John A. **Macdonald**
27. What US political party never had one of their presidents serve a full term, due to both Zachary Taylor and William Henry Harrison dying in office?
- A: **Whig** Party (accept: **Whigs**)
28. Spencer Perceval was the only holder of what position to be assassinated, while serving during the Napoleonic Wars?
- A: **prime minister/PM** of the **United Kingdom/UK**/Great **Britain**
(accept: **British prime minister**, **British PM**)
(prompt on: **prime minister**, **PM**)

29. What country was governed by the most recent world leader to die in battle, President Idriss Déby, killed while commanding troops in 2021?
A: **Chad**

Recently Extinct

30. Photographer David Fleay ["fly"] was bitten on the buttocks while capturing the last known photographs of what animal in the Hobart Zoo?
A: **thylacine** (accept: **Tasmanian tiger**, **Tasmanian wolf**)
31. What animal's last specimen Martha died in the Cincinnati Zoo in 1914, and was long thought to be most closely related to the mourning dove?
A: **passenger pigeon** (accept: **wild pigeon**)
32. What other member of the pigeon family was hunted to extinction by invasive species and colonists in Mauritius due to its inability to fly?
A: **dodo** bird
33. With the last one dying in 1627 in Poland's Jaktorow ["yak-TOR-uv"] forest, what extinct bovine was the wild ancestor of modern cattle?
A: **aurochs** ["OR-oks"] (reject: **auroch**)

Double Jump

34. Emma D'Arcy and Paddy Considine star as Rhaenyra ["ray-NEER-uh"] and Viserys Targaryen on what series, a prequel to *Game of Thrones*?
A: **House of the Dragon**
35. What father of Alicent serves as Hand of the King under Viserys?
A: Ser **Otto** Hightower (prompt on: **Hightower**)

Double Jump

36. Emitted in beta positive decay, what is the antiparticle of the electron?
A: **positron**
37. What scientist, through his relativistic version of the Schrodinger equation, predicted the existence of the positron?
A: Paul **Dirac**

Set of 3: Swings

38. What colour is the central figure's dress in Jean-Honoré Fragonard's *The Swing*?
A: **pink**
39. The Lindy Hop was a characteristic form of swing dancing, which developed alongside its namesake style of what genre of music?
A: **jazz**
40. In American politics, what colour is sometimes used to describe swing states?
A: **purple**

Set of 3: The Iranian Revolution

41. As the Shah fled, who returned from 15 years of exile in early 1979 and took charge of the Islamic Revolution, becoming the first Supreme Leader of Iran?
A: Ayatollah Ruhollah **Khomeini** (reject: Ali **Khamenei**) (prompt on: the **Ayatollah**)

42. The new Islamic Republic adopted what branch of Islam as its state religion?
A: Twelver **Shia/Shi'ite** Islam (accept: **Imamiyya**)
43. The regime soon began fomenting unrest among the Shia population of what neighbouring country, eventually leading to a brutal war that lasted throughout the 1980s?
A: **Iraq**

Linked Set of 7

44. Diacritics in pinyin represent what features, which in Mandarin come in high, rising, bouncing, and falling forms?
A: **tones**
45. What song repeats the line "Move for me, move for me, move for me", sung by Tones and I?
A: **"Dance Monkey"**
46. What basketball player was the subject of the documentary miniseries *The Last Dance*?
A: Michael **Jordan**
47. What territory takes its name from its location relative to the Jordan River?
A: **West Bank**
48. What street in Manhattan is home to many commercial banks as the world's financial centre?
A: **Wall** Street
49. What poet described conversations with his neighbour in the poem "Mending Wall"?
A: Robert **Frost**
50. What material made up the hat with magical powers that animated Frosty the Snowman?
A: **silk**

END OF FIRST HALF

THIRD QUARTER

Splits: American Novels & Canadian Law

American Novels

51. The troubled marriage of Mister and Celie is central to what novel by Alice Walker?
A: *The* **Color Purple**
52. What novel features the villainous Judge Holden and is considered the magnum opus of Cormac McCarthy?
A: **Blood Meridian**
53. What author wrote *Jo's Boys* as one of two follow-ups to *Little Women*?
A: Louisa May **Alcott**
54. Name either of the aunts of Tom Sawyer.
A: Aunt **Polly** OR **Sally Phelps** (accept either bolded part)

Canadian Law

55. Except for Quebec, Canada exclusively uses what kind of law mostly used by former British colonies?
A: **common** law
56. What metonym, which comes from the line that separates the spectators in a courtroom from participants, also refers to where someone is "called to" when they become a lawyer?
A: the **bar**

57. Section 33 of the Canadian Charter of Rights and Freedoms is referred to by what name?
A: **notwithstanding clause** (prompt on: notwithstanding)
58. Who is the current chief justice of the Supreme Court of Canada?
A: Richard **Wagner**

Set of 3: The Peloponnesian War

59. What two city-states led the war's opposing alliances?
A: **Athens** AND **Sparta**
60. What kind of foot soldiers made up most armies during the war?
A: **hoplites**
61. The turning point of the war was a disastrous Athenian expedition that aimed to capture what ally of Sparta?
A: **Syracuse**

Jailbreak

62. Who blended psychedelic rock with hip hop on tracks like "the BLACK seminole." and "drive ME crazy!" on his album *Let's Start Here*?
A: **Lil Yachty** (accept: Miles **McCollum**)
63. In early installments of *Animal Crossing*, what grumpy mole critiqued the player if they quit the game without saving?
A: Mr. **Resetti**
64. Corno Grande is the highest point of what mountain range that extends down the length of the Italian peninsula?
A: **Apennine** Mountains (accept: **Apennines**)
65. In Norse mythology, what kind of animal pulls the chariot ridden by Freya?
A: **cats**
66. What is the largest whole number with a three-digit factorial?
A: **6**
67. Who starred in 2024's *A Complete Unknown* as Bob Dylan?
A: Timothée **Chalamet**
68. Players from what country are credited with developing "total football"?
A: The **Netherlands** (accept: **Holland**)
69. Who launched the R.E.M. Beauty cosmetics brand, naming it after one of her songs?
A: Ariana **Grande**
70. What item is given to Canadian students during the "Ritual of the Calling of an Engineer"?
A: **iron ring** (accept: stainless **steel ring**) (prompt on: ring)
71. From his home in Tangier to much of Arabia, down east Africa, then across Central Asia to India and China, and finally into the Sahara, what medieval Muslim traveller is often said to have travelled farther than any other pre-modern human being?
A: **Ibn Battuta**
72. What instrument is featured in twelve concertos by Luigi Boccherini as well as C and D major concertos by Joseph Haydn, and is the lowest voice in a standard string quartet?
A: **cello**
73. In *Ticket to Ride: Europe*, at least one of what card must be used when building on a ferry route?
A: **locomotive** (prompt on: wild card)
74. What compound is referred to as the universal solvent?
A: **water** (accept: **H2O**)
75. What country conquered Taiwan and Korea from China in the 1890s?
A: **Japan**

END OF THIRD QUARTER

FOURTH QUARTER

Jackpot

76. Part 1: The final scene of the 2013 film *Enemy* depicts a giant example of what? Earlier in that film, a giant one of these things is shown against a hazy sky over Toronto.
77. Part 2: The Two Trees of Valinor are destroyed by Melkor along with an evil spirit named Ungoliant taking the form of one of these things in *The Silmarillion*.
78. Part 3: The path of Cirith Ungol is home to one of these creatures who is defeated by Sam Gamgee.
79. Part 4: Acromantula such as Aragog resemble these creatures, which Ron Weasley is terrified of.
A: giant **spiders** (accept: giant **tarantulas** on Part 1 only)

Set of 4

80. When flanked by a dash on either side, what number can often be found at the bottom of a press release to denote that it is finished?
A: **30**
81. In which century was the Thirty Years' War fought?
A: **17th** century (accept: **1600s**) (reject: **1600**)
82. Name both of the Big Four North American sports leagues that currently have exactly 30 teams.
A: **NBA** (accept: **National Basketball Association**) AND **MLB** (accept: **Major League Baseball**)
83. "Oh My God", "I Drink Wine", and "Easy On Me" are songs from what artist's album *30*?
A: **Adele**

Set of 5: Change the First Letter

You will be given the definitions of two words that are spelled the same apart from their first letter. Give both words.

84. To strengthen or improve something, and where a police officer might keep a gun.
A: **bolster** AND **holster**
85. An adjective meaning hardy and reliable, and a paste kneaded by bakers.
A: **tough** AND **dough**
86. The reproductive structure of an angiosperm, and an adjective meaning less swift.
A: **flower** AND **slower**
87. A tiny arachnid that sometimes causes allergies, and an object flown in the air by a string, often by children.
A: **mite** AND **kite**
88. Any of the different ways the Moon can be illuminated, and a verb meaning to pursue.
A: **phase** AND **chase**

12-Part Blitz

89. Marin Alsop, Seiji Ozawa, and Herbert von Karajan are all best known for working in what profession?
A: orchestra **conductors** (accept: **conducting**) (prompt on: **musician**)
90. What are the two main languages of Belgium?
A: **Dutch** (accept: **Flemish**) AND **French**

91. What is the surface area of a sphere with radius 4?
A: **64 times pi**
92. In what TV show do "Innies" and "Outies" represent an individual's persona in and out of work, which have been medically separated by the titular procedure?
A: **Severance**
93. What atmospheric phenomenon has its mean zonal winds reversed when the northern hemisphere experiences a sudden stratospheric warming?
A: stratospheric **polar vortex**
94. The adipose tissue found in whales is also known by what term?
A: **blubber**
95. What Chinese artist's visual works include *Dropping a Han Dynasty Urn* and *Sunflower Seeds*?
A: **Ai Weiwei**
96. How many carbon atoms are in a molecule of butane?
A: **4**
97. The Sahara Desert is separated from the Atlantic Ocean and western Mediterranean by what mountain range?
A: **Atlas** Mountains
98. What word can mean easy-to-access computer memory or to enlist for something?
A: **register**
99. Portrayed by Harold Sakata, what henchman of Auric Goldfinger is known for using his steel-rimmed bowler hat as a weapon?
A: **Oddjob**
100. In order for a process to be spontaneous, the change in what quantity must be negative?
A: **Gibbs free energy** (accept: **Gibbs energy**) (prompt on: **free energy**)

END OF GAME