



2022-23 High School Winter Qualifier (T2) – Pack 7

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PACK 7

FIRST QUARTER

6-Part Blitz

1. What two leagues make up Major League Baseball?
A: **National** League (accept: **NL**) AND **American** League (accept: **AL**)
2. How many characters are “in search of an author” in a play by Luigi Pirandello?
A: **six**
3. A notoriously brutal leader of what country was portrayed by Forest Whitaker in the film *The Last King of Scotland*?
A: **Uganda**
4. In two-variable statistics, estimating a dependent value outside of the range of independent values is known by what term?
A: **extrapolation** (accept word forms)
5. What American former actress wrote about her relationship with her abusive mother in *I'm Glad My Mom Died*?
A: Jennette **McCurdy**
6. Mansa Musa ruled what empire?
A: **Mali** empire

Set of 5: Electricity

7. What quantity is measured in amperes?
A: **current**
8. 3.6 million joules is equal to what unit of energy, commonly used when calculating electricity costs?
A: **kilowatt-hour** (accept: **kWh**) (reject partial answers)
9. What scientist names a “loop” and a “junction” rule useful in analyzing electric circuits?
A: Gustav **Kirchhoff**
10. What scientist names the inverse square law relating the distance and force between two point charges?
A: Charles-Augustin de **Coulomb**
11. What does AC stand for in electricity?
A: **alternating current**

Jackpot

12.

Part 1: Who collected many of his works in a pair of manuscripts dedicated to his wife in *Anna Magdalena's Notebook*?

Part 2: Wendy Carlos popularized many of this composer's works using a Moog ["mohg"] synthesizer, including an arrangement of the chorale "Sleepers Awake".

Part 3: In 1829, Felix Mendelssohn revived this composer's popularity when he conducted his *St. Matthew's Passion*.

Part 4: This German baroque composer of the *Brandenburg Concertos* is the oldest of the three "B"s of classical music.

A: Johann Sebastian **Bach**

Set of 4

16. What numerical nickname was applied to the stars of the 1980s Boston Celtics, the stars of the 2008 champion Boston Celtics, and the stars of the LeBron-era Miami Heat?

A: **Big Three**

17. What American city is home to General Motors, Chrysler, and Ford, the "Big Three" American carmakers?

A: **Detroit**

18. What three players made up the "Big Three" that dominated men's tennis for most of the past two decades?

A: Roger **Federer** AND Rafael **Nadal** AND Novak **Djokovic**

19. What leader of China was sometimes grouped with the Big Three of Churchill, Stalin, and Roosevelt to make a "Big Four" of Allied leaders during World War II?

A: **Chiang Kai-Shek** (accept: **Jiang Jieshi**) (accept names in either order)

Linked Set of 6

20. What word follows "game" in the name of a Let's Play series hosted by Dan Avidan and Arin Hanson?

A: **Grumps**

21. What kind of animal was Tardar Sauce, who became a meme due to her "grumpy" appearance?

A: **cat**

22. In the Nickelodeon series *Victorious*, what actress played the ditzy red-haired character Cat?

A: Ariana **Grande**

23. From what European country does Ariana Grande trace her lineage?

A: **Italy**

24. What is the smaller of the two countries entirely surrounded by Italy?

A: **Vatican** City

25. What is the tallest building in Vatican City?

A: **Saint Peter's Basilica**

SECOND QUARTER

Splits: Approximate History & Coding

Approximate History

26. Within 5 years, when did the Twenty-first Amendment abolish Prohibition in the United States?

A: **1933** (accept answers from **1928** to **1938**, inclusive) (prompt if only last two digits given)

27. Within 10 years, when did Victor Emmanuel II become the first king of unified Italy?

A: **1861** (accept answers from **1851** to **1871**, inclusive) (prompt if only last two digits given)

28. Within 20 years, when did the first group of colonists arrive in Liberia?

A: **1822** (accept answers from **1802** to **1842**, inclusive) (prompt if only last two digits given)

29. Within 5 years, when was freedom of religion guaranteed to French Catholics in British North America by the Quebec Act?

A: **1774** (accept answers from **1769** to **1779**, inclusive) (prompt if only last two digits given)

Coding

30. What operator is represented in Java by two vertical lines and returns "true" if either of its two arguments returns "true"?

A: **OR**

31. In Python, what integer is the index of the last element of any list?

A: **-1**

32. In what sort of while loop does the “while” condition get checked at the end of the loop?

A: **do-while** loop

33. What character begins an “include” statement in C or a one-line comment in Python?

A: **number** sign/symbol (accept: **pound** sign/symbol, **octothorpe**, **hashtag**)

Set of 3: Shonda Rhimes

34. As her first show under her exclusive deal with Netflix, Rhimes is currently serving as executive producer for what period drama based on Julia Quinn’s novels?

A: **Bridgerton**

35. Rhimes rose to stardom as creator and showrunner of what long-running medical drama?

A: **Grey’s Anatomy**

36. What Kate Walsh-played character first arrived on *Grey’s Anatomy* to find her husband Derek dating Meredith, and later starred on Rhimes’ first Grey’s spinoff, *Private Practice*?

A: Dr. **Addison Montgomery**-Shepherd (accept either underlined part)
(prompt on: Shepherd)

Double Jumps

37. What three-word phrase refers to the implementation of checks and balances in the government by distributing responsibilities among several branches, typically legislative, executive, and judicial?

A: **separation of powers**

38. What French political philosopher wrote about separation of powers in *The Spirit of the Laws*?

A: **Montesquieu**

39. The Gulf of Bothnia separates Sweden from what country?

A: **Finland**

40. With its capital at Mariehamn [“ma-REE-uh-hah-min”], what archipelago located in the Gulf of Bothnia is a Swedish-speaking autonomous region of Finland?

A: **Aland** [“OHL-and”] Islands

Set of 4: Bicycles

41. What part of a bicycle comes in drum, rim, and disk types?

A: **brakes**

42. The relative sizes of two coins give their name to what early type of bicycle?

A: **penny farthing**

43. If you are balancing with the front wheel in the air while not pedalling, you are performing what bicycle trick that is notably different from a wheelie?

A: **manual**

44. What is the six-letter name for a bicycle that seats two riders, one in front of the other?

A: **tandem**

6-Part Blitz

45. According to Genesis, Methuselah lived for how many years?

A: **969** years

46. What species are Merry, Pippin, Sam, and Frodo in *The Lord of the Rings*?

A: **hobbits**

47. Who included a portrait of himself from behind in *The Art of Painting*, and more famously painted *View of Delft* and *Girl with a Pearl Earring*?

A: Johannes **Vermeer** (accept: Jan **Vermeer**)

48. What does the "M" stand for in AM and PM?

A: **meridiem** (reject: meridian)

49. Anish Kapoor's *Cloud Gate* is located in what midwestern city where it is colloquially known as "The Bean?"

A: **Chicago**

50. A variety of what fruit is named for its resemblance to a belly button?

A: navel **orange**

THIRD QUARTER

Splits: Canadian Authors & Canadian Universities

Canadian Authors

51. *Barney's Version* and *The Apprenticeship of Duddy Kravitz* were written by what Montreal-born author?

A: Mordecai **Richler**

52. Snowman is the central character of what 2003 science fiction novel by Margaret Atwood?

A: **Oryx and Crake**

53. Who wrote "There are strange things done in the midnight sun" to begin his poem "The Cremation of Sam McGee"?

A: Robert **Service**

54. What Sri Lankan-born writer is best known for *The English Patient*?

A: Michael **Ondaatje**

Canadian Universities

55. In 2022, what new name was adopted by Ryerson University?

A: **Toronto Metropolitan** University (accept: **TMU**, **Toronto Met**) (reject: **Toronto**)

56. Through what organization's portal do high school students submit applications for Ontario universities?

A: **OUAC** (accept: **Ontario Universities' Application Centre**)

57. In which province is Dalhousie University located?

A: **Nova Scotia**

58. Founded in 1821, what is the oldest anglophone university in Quebec?

A: **McGill** University

Jackpot

59.

Part 1: What mammals have fur that, unusually, grows from their extremities towards their torso? Their fur is a unique ecosystem home to moths and arthropods, as well as to algae that helps camouflage them.

Part 2: Scientists are not sure why these animals repeatedly defecate in the same place on the ground, even though doing so leaves them vulnerable to predators.

Part 3: These animals are divided into two-toed and three-toed varieties.

Part 4: These mammals spend most of their lives hanging from trees and are named for their slow and infrequent movement.

A: **sloths** (accept: two-toed **sloths**, three-toed **sloths**)

Streaks

63. Name up to all six states of Australia.

A: **New South Wales, Queensland, South Australia, Tasmania, Victoria, Western Australia**

Set of 4: Anti- Words

The answers to the following questions all begin with the letters A-N-T-I.

66. What name is given to locations that are directly opposite each other on the Earth?

A: **antipodes** ["an-TIP-uh-deez"] (accept word forms)

67. Which element has atomic number 51?

A: **antimony** (reject: Sb)

68. What archipelago in the Caribbean is divided into "Greater" and "Lesser" island groups?

A: **Antilles**

69. Often citing global overpopulation as a rationale, what belief holds that it is morally wrong to reproduce?

A: **antinatalism** (accept word forms)

6-Part Blitz

70. What word beginning with "iso" describes an exercise where muscles are contracted for a period of time without movement?

A: **isometric**

71. *The Frogs*, *The Clouds*, and *The Birds* are all comedies by what ancient Greek playwright?

A: **Aristophanes**

72. The name of what type of cookie is a concatenation of words meaning "giggle" and "draw"?

A: **snickerdoodle**

73. What company produces the SpikeVax and the SpikeVax Bivalent?

A: **Moderna**, Inc.

74. Who was picked 199th overall in the 2000 NFL Draft?

A: Tom **Brady**

75. What symbol denotes a check in algebraic chess notation?

A: **plus** sign (accept: **add**ition sign)

FOURTH QUARTER

Set of 3: Kims in Music

76. *Mistaken Identity* is an album by what singer best known for "Bette Davis Eyes"?

A: Kim **Carnes**

77. What German artist became the first openly transgender woman to top the Billboard Hot 100 with the track "Unholy"?

A: Kim **Petras**

78. Kim Seok-jin, Kim Tae-hyung, and Kim Nam-joon are some of the members of what boy band?

A: **BTS** (accept: **Bangtan Boys**)

Double Jumps

79. Who directed and starred in comedies such as *The Gold Rush* and *Modern Times* before making his first sound film, *The Great Dictator*, in which he parodied Adolf Hitler?

A: Charlie **Chaplin**

80. What bumbling but generally good-hearted character was Chaplin's persona in many of his most famous silent comedies, including *The Kid* and *City Lights*?

A: the Little **Tramp**

81. The Forerunners, the Flood, and the Precursors are featured in what video game series, whose protagonist is Master Chief?

A: **Halo**

82. Crewed by a driver and tailgunner, what is the animal nickname for the fast vehicle that is a mainstay of UNSC forces in the series?

A: **Warthog**

83. What queen of the Iceni ["eye-SEEN-eye"] died after leading a failed revolt against the Romans in Britain?

A: **Boudicca**

84. The Boudican Revolt was crushed at a battle named after what historic route, a paved Roman road linking Dover to Wroxeter that passed through London?

A: **Watling Street**

Set of 4: Traditional Clothing

85. Also known as a tarboosh, what traditional type of hat did Ataturk ban in an attempt to Westernize Turkey?

A: **fez**

86. Inspired by Manchu clothing and developed in the 1920s, what asymmetric dress commonly made of silk is the national dress of China?

A: **cheongsam** (accept: **qipao** ["CHEE-pow"])

87. Women of what Namibian ethnic group traditionally wear colonial-era German dresses?

A: **Herero** people

88. The yukata is a variety of what garment, the national dress of Japan?

A: **kimono**

12-Part Blitz

89. Nataraja refers to the dancing depiction of what Hindu destroyer god?

A: **Shiva**

90. What two-word term refers to a line that extends at a right angle from the midpoint of any line segment?

A: **perpendicular bisector** (accept: **right bisector**)

91. *Edge of History* is the subtitle of a 2022 Disney Plus series in what franchise, whose first movie featured Nicolas Cage trying to steal the Declaration of Independence?

A: **National Treasure**

92. Who won the battle of Tours and would be known to history as Charlemagne's grandfather?

A: Charles **Martel** (prompt on: Charles)

93. What is the English translation of the German word "Schmetterling" and the Spanish word "mariposa"?

A: **butterfly**

94. What team eliminated Brazil from the 2022 FIFA World Cup?

A: **Croatia**

95. What term in linguistics refers to the smallest unit of a language that conveys meaning?

A: **morpheme**

96. What country was settled by Europeans known as Pieds-Noirs, and split from France shortly after the fall of the French Fourth Republic?

A: **Algeria**

97. In 2018, whose painting *The Indian Church* was renamed *Church at Yuquot Village* by the Art Gallery of Ontario?

A: Emily **Carr**

98. What is 15 in hexadecimal?

A: **F**

99. What four-letter word can refer either to an insult or to air resistance?

A: **drag**

100. "Gaufre" is the French word for what breakfast food that comes in a popular Belgian variety?

A: **waffles**