



## 2022-23 Post-Secondary Season Opener (T1) – Pack 2

---

**Head Editor:** *Paul Kasiński*

**Writers/Editors:** *Max Gedajlovic, Ian Greig, Paul Kasiński, Joe Su, Isaac Thiessen,  
Zhongtian Wang*

---

# PACK 2

## FIRST QUARTER

### 6-Part Blitz

1. What word can follow out, green, dog, or slaughter to form compound words?  
A: **house**
2. Dev Shah on *Master of None* and Tom Haverford on *Parks and Recreation* were both played by what comedian?  
A: Aziz **Ansari**
3. What rank is the naval equivalent of a general in most militaries, including Canada's?  
A: **admiral**
4. What Latin term refers to a list of characters in a play, often included at the beginning of a script?  
A: **dramatis personae**
5. After scandals such as spending \$120,000 on gates to keep visitors away from her office, what former astronaut resigned as Governor General in 2021?  
A: Julie **Payette**
6. What playwright created Lucky and Pozzo ["POTS-oh"], secondary characters to Vladimir and Estragon in *Waiting for Godot*?  
A: Samuel **Beckett**

### Set of 4: Kinematics

For all questions, consider a car currently travelling at 20 metres per second. You will have 5 seconds for each question.

7. The car travels a kilometre in how many seconds?  
A: **50** seconds
8. In kilometres per hour, what is the car's speed?  
A: **72** kilometres per hour
9. If the car slows down at 8 metres per second squared, how many seconds does it take to stop?  
A: **2.5** seconds (accept: **two and a half** seconds)
10. During this deceleration, what is the distance, in metres, that the car travels?  
A: **25** metres

## Jackpot

11.

Part 1: Who claimed they were being paid for consulting services related to a pasta business as an explanation for cash payments received from Karl Heinz Schreiber?

Part 2: Lucien Bouchard dramatically resigned from this politician's cabinet due to disagreements over the Distinct Society Clause.

Part 3: This Prime Minister's economic policies included the Canada-United States Free Trade Agreement and the creation of the Goods and Services Tax.

Part 4: This Prime Minister resigned in 1993, leading to the brief tenure of Kim Campbell and then the worst ever election defeat suffered by a ruling party in Canada.

A: Brian **Mulroney**

## Duel: Religious Figures

14. (First desk) Born in Lumbini and known for his sermons at Sarnath, what ancient Indian religious figure gained enlightenment while meditating under the Bodhi tree?

A: The **Buddha** (accept: **Gautama** Buddha, **Siddhartha** Gautama)

15. (Second desk) Islam, Judaism, and Christianity are collectively referred to by the name of what religious figure, the father of Ishmael and Isaac?

A: **Abraham** (accept: **Abrahamic** faiths/religions)

16. (Third desk) What branch of Islam believes that Ali was the rightful successor to Muhammed, opposing the Sunni belief that Abu Bakr was the rightful successor?

A: **Shia** (accept: **Shi'ite**)

17. (Fourth desk) According to tradition, what sun goddess is a distant ancestor of the Japanese royal family?

A: **Amaterasu**

18. (First desk) Coming from the Sanskrit term for "mentor" or "expert", what title was held by the first ten leaders of Sikhism?

A: **Guru**

19. (Second desk) What term is used in Shia Islam to denote the rightful successors to the prophet Muhammed, and used in Sunni Islam as a more general term for someone who leads worship at mosques?

A: **Imam**

20. (Third desk) What title is held by the leader of the Yellow Hat school of Buddhism? Its 14th and current holder has been exiled from his home of Tibet since 1959.

A: **Dalai Lama**

21. (Fourth desk) What denomination of Hinduism worships the destroyer god as the supreme deity?

A: **Shaivism** (accept: **Shaivist**) (reject: **Shivaism**)

#### 4-Part Blitz

22. In October 2017, Spain suppressed an attempted independence referendum in what northeastern region of the Iberian peninsula?

A: **Catalonia**

23. What nine-time host of the Academy Awards starred in *City Slickers* and *When Harry Met Sally...*?

A: Billy **Crystal**

24. In medieval Europe, what kind of organizations controlled and restricted the practice of a particular trade within a town?

A: **guilds**

25. The consumption of what so-called “forbidden snacks” was the subject of a viral internet challenge in 2017 and 2018?

A: **Tide Pods** (prompt on: laundry detergent, detergent pods)

---

### SECOND QUARTER

#### Splits: Canadian Art & International TV Shows

##### Canadian Art

26. Exemplified by *Resurgence of the People* and *Welcoming the Newcomers*, what Cree artist is known for humorous paintings that often feature his genderfluid alter ego “Miss Chief”?

A: Kent **Monkman**

27. The painter of *Big Raven* and author of *Klee Wyck*, what artist was known for her art of totem poles and other elements of Pacific Northwest Indigenous culture?

A: Emily **Carr**

28. Often painted by Tom Thomson, what lake in Algonquin Park was the site of his untimely death in 1917?

A: **Canoe** Lake

29. While it now has a wider focus, what art gallery was originally founded to display works by The Group of Seven and is located in Kleinburg, Ontario?

A: **McMichael** Canadian Art Collection (accept: **M.C.A.C**, **McMichael** Gallery)

## International TV Shows

Given the description of a T.V. show, name its country of origin.

30. 16-year-old Prince Wilhelm falls in love with choir singer Simon at Hillerska Boarding School.

A: **Sweden** (this is *Young Royals*)

31. 456 men and women in dire financial straits sign up for a game show that takes an unexpected turn.

A: **South Korea** (this is *Squid Game*)

32. A chronicle of the adventures of Orla, Michelle, Clare, James, and Erin at a Catholic girls' school in the 1990s.

A: **United Kingdom** (accept: **U.K.**, Great **Britain**, **Northern Ireland**) (this is *Derry Girls*)

33. After his rant about government corruption goes viral, a high school history teacher becomes president of his country.

A: **Ukraine** (this is *Servant of the People*)

## Streaks

34. Not including baseball, name up to all four of the events that first appeared at the Olympics in Tokyo in 2021.

A: **surfing** (accept: **surfboarding**), **skateboarding**, sport **climbing** (accept: rock **climbing**), **karate**

36. Name up to both of the rappers on the 2022 track "Jimmy Cooks".

A: **Drake** (accept: Aubrey **Graham**), **21 Savage** (accept: Sheyaa Bin **Abraham-Joseph**)

37. Besides water vapour, name up to all four of the most abundant greenhouse gases in the atmosphere.

A: **carbon dioxide** (accept: **CO<sub>2</sub>**), **methane** (accept: **CH<sub>4</sub>**), **nitrous oxide** (accept: **N<sub>2</sub>O**), **ozone** (accept: **O<sub>3</sub>**)

## Double Jumps

39. "2-seam" and "4-seam" are types of what basic pitch in baseball?

A: **fastball**

40. What kind of fastball breaks toward the pitcher's glove hand, in roughly the same direction as a slider?

A: **cut** fastball (accept: **cutter**)

41. What city on the Tagus river is the largest in Portugal?

A: **Lisbon**

42. What fortification from the 16th century, and UNESCO World Heritage Site, sits on the bank of the Tagus and acts as a ceremonial gateway into Lisbon?

A: **Belem Tower** (accept: **Torre de Belem**, **Tower of Saint Vincent**)

43. Who wrote about Brett Ashley and Jake Barnes in *The Sun Also Rises*?

A: Ernest **Hemingway**

44. Hemingway's novel *For Whom the Bell Tolls* follows a volunteer in a guerrilla unit during what war?

A: **Spanish Civil** War (prompt on: **Civil** War)

45. Known in the UK as varnish, what colourful lacquer is often applied during manicures and pedicures?

A: **nail polish** (accept: fingernail **polish**, toenail **polish**)

46. What clear substance is applied on top of a layer of nail polish to protect it from chipping?

A: **top coat**

#### **4-Part Blitz**

47. Who included a final section named "Hoe-Down" in his ballet *Rodeo*?

A: Aaron **Copland**

48. The dollar sign is the shift function for which key on a standard keyboard?

A: **4**

49. What is the name of the long glass tube used to slowly add base in a titration?

A: **burette**

50. Jeff Bezos owns what private spaceflight company?

A: **Blue Origin**

---

## THIRD QUARTER

### Splits: The French Language & Islands of Indonesia

#### The French Language

51. What Paris-based institution is considered the official authority on French vocabulary and grammar?

A: Académie Française (accept: French Academy)

52. What is the number “one billion” in French?

A: un milliard

53. What word beginning with “B” is French for “suburb”?

A: banlieue

54. When conjugated in the imparfait in the first or second person singular, all French verbs end with what three letters?

A: ais

#### Islands of Indonesia

55. Bandung and Surabaya are found on what island?

A: Java

56. What island is essentially made up of four peninsulas that meet in a mountainous central area?

A: Sulawesi (accept: Celebes)

57. What island is famous for being home to the world’s largest lizard, its namesake dragon?

A: Komodo

58. Kalimantan is the name for the Indonesian portion of what island, which it shares with Malaysia and Brunei?

A: Borneo

#### Set of 4: Love

59. What question precedes the words “baby, don’t hurt me” in a song by Haddaway?

A: What is love?

60. For what midwestern NBA team does Kevin Love play?

A: Cleveland Cavaliers (accept either underlined part) (prompt on: Cavs)

61. Who sang “We were both young when I first saw you” in her song “Love Story”?

A: Taylor **Swift**

62. What American city was the site of a Superfund operation in its Love Canal neighbourhood?

A: **Niagara Falls**

#### **Set of 4: War**

63. What Canadian author wrote *The Wars*?

A: Timothy **Findley**

64. Gaijin Entertainment developed what flight simulation battle game?

A: **War Thunder**

65. The Russo brothers directed what 2016 Marvel movie?

A: *Captain America: **Civil War***

66. The Battle of Sedan was fought in what 1870 to 1871 war?

A: **Franco-Prussian** War

#### **Deep Dive**

67. Gonane is the simplest form of what class of organic compounds, which consist of four fused rings and are found biologically in the cell membranes and as signalling molecules?

A: **steroids**

The remaining questions deal with steroids.

68. Many commonly-known steroids, such as estrogen and testosterone, function as what type of signalling molecule in animal biology, secreted by the endocrine system in humans?

A: **hormones**

69. What enzyme converts testosterone into dihydrotestosterone? Mutations of this enzyme can lead to disorders in sex development, and inhibitors for this enzyme are part of transgender women’s hormone replacement therapy.

A: **5-alpha reductase**

70. What steroid compound can be packaged in good high-density lipoproteins and bad low-density lipoproteins?

A: **cholesterol**

71. The sterol subgroup of steroids, most notably including cholesterol, is defined by having what functional group replace a hydrogen atom at position 3?

A: **hydroxyl** (accept: **hydroxy** group, **OH** group)



## Shootout

72.

S1. In Greek mythology, who was Persephone's mother?

A: **Demeter**

S2. Who is the director of America's National Institute of Allergy and Infectious Diseases?

A: Dr. Anthony **Fauci**

S3. About 600 million tons of what element are being produced every second in the Sun?

A: **helium** (accept: **He**)

S4. Name any two of the countries on the Limpopo River.

A: any two of **South Africa**, **Botswana**, **Zimbabwe**, **Mozambique**

S5. "Gucci Gang", released on Soundcloud in 2017, was a breakout hit for what rapper?

A: **Lil Pump** (accept: Gazzy **Garcia**)

S6. What author caused Penguin Books to face a 1960 obscenity trial in Britain, when they published an uncensored version of his novel *Lady Chatterley's Lover*?

A: D.H. **Lawrence**

S7. A cup named for the Four Musketeers of tennis is presented to the Men's Singles winner of which tennis major?

A: **French Open**

S8. What O-word is the opposite of "oriental"?

A: **occidental**

S9. What narrated composition, based on a fairy tale, is meant to introduce orchestral instruments to children and was written by Sergei Prokofiev?

A: **Peter and the Wolf**

S10. Defined as the hypotenuse divided by the adjacent, what trigonometric function is the reciprocal of cosine?

A: **secant**

S11. Who was the last Tsar of Russia?

A: **Nicholas II** (prompt on: Nicholas)

S12. Philately is the collection of what objects?

A: **stamps**

---

## FOURTH QUARTER

### 4-Part Blitz

76. Two of what were pictured on the reverse of the Canadian penny?

A: **maple leaves** (accept: **maple leaf**) (prompt on: leaf, leaves)

77. What is the name of Rose's necklace in the movie *Titanic*?

A: **Heart of the Ocean**

78. On January 7th, who was elected Speaker of the American House of Representatives?

A: Kevin **McCarthy**

79. What region off the coast of Newfoundland was famous for its massive cod population until it was depleted by overfishing?

A: **Grand Banks**

### Set of 3: Math

For all questions in this category, consider a gathering of 7 aliens, exactly 4 of whom are Martians.

80. As a percentage rounded to the nearest whole number, what is the probability that a randomly selected alien is a Martian?

A: **57** percent

81. How many ways are there to select a set of two Martians?

A: **6**

82. As a fraction in lowest terms, what is the probability that a randomly chosen group of two aliens are both Martians?

A: **2/7** ["two sevenths" or "two over seven"]

### Set of 3: Cars

83. The Pleiades star cluster, also known as the Seven Sisters, is shown in the logo of what Japanese car company that makes the Impreza?

A: **Subaru**

84. What company manufactures the Roadster, one of which was launched into space?

A: **Tesla**

85. What company was ridiculed for a self-driving car patent with V.R. technology but no windows?

A: **Apple**

## Jackpot

86.

Part 1: Who narrowly escaped assassination after being targeted by the Septembrine Conspiracy?

Part 2: After writing the *Letter from Jamaica* and agreeing to abolish slavery, this leader gained Alexandre Petion as a military ally.

Part 3: After his victory at the Battle of Boyaca and conquest of New Grenada, this man met with Jose de San Martin at the Guayaquil Conference.

Part 4: This first president of Gran Colombia was nicknamed "the Liberator" and freed much of South America from Spanish rule.

A: Simon **Bolivar**

## 12-Part Blitz

89. What kind of accidental lowers the pitch of a note by a semitone?

A: **flat**

90. In economics, what word refers to a situation in which no one can make themselves better off by making different choices?

A: **equilibrium**

91. What fast food company sells the "burger family" product line, including the Mama Burger and Teen Burger?

A: **A&W**

92. From top to bottom, a light blue stripe, a pink stripe, a white stripe, a pink stripe, and a light blue stripe make up what flag?

A: **transgender flag**

93. What shape is the top of the four action buttons on a PlayStation controller?

A: **triangle**

94. In radio broadcasting, what does F.M. stand for?

A: **frequency modulation**

95. What fictional character, once a high-school football star and top student, falls into a downward spiral after a falling out with his father Willy?

A: **Biff Loman** (prompt on: Loman)

96. Whom did Will Smith slap at the 2022 Oscars?

A: Chris **Rock**

97. What does R.R.S.P. stand for?

A: **registered retirement savings plan**

98. What word refers to the development and spread of new, reason-based ideas in the West in the 17th and 18th centuries?

A: The **Enlightenment**

99. The 810 Billiards and Bowling in Houston, Texas was the site of the November 1st, 2022 shooting and death of what rapper?

A: **Takeoff** (accept: Kirshnik Khari **Ball**)

100. What large bay is at the southern end of Hudson's Bay?

A: **James** Bay