



## 2023-24 High School Late Fall Tournament (T2) – Pack 2

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# PACK 2

## 5-Part Blitz

1. Known in French as Aix-La-Chapelle, what city was the seat of power of the Frankish empire and the residence of Charlemagne?  
A: **Aachen**
2. What Italian term refers to male singers who were surgically rendered impotent to preserve the singing voice they had as young boys?  
A: **castrato** (accept: **castrati**)
3. What word refers to any atom with an electric charge?  
A: **ion**
4. Who raps "Yeah I'm in that Tonka, colour of Willy Wonka/You could be the king but watch the queen conquer" on Kanye West's song "Monster"?  
A: Nicki **Minaj**
5. The Yajna ritual from Hinduism is centred around what phenomenon, which Agni is the god of?  
A: **fire**

## Double Jump

6. What river discharges more water than the next seven largest rivers combined?  
A: **Amazon** River
7. What river empties into the Amazon at the "Meeting of the Waters", near Manaus?  
A: **Rio Negro**

## Double Jump

8. What musical film stars Richard Haydn as Max, Eleanor Parker as Baroness von Schraeder, Christopher Plummer as Georg von Trapp and Julie Andrews as Maria?  
A: *The **Sound of Music***
9. Named for a flower, what song is performed by Captain von Trapp, Maria, and the family as a farewell to Austria?  
A: "**Edelweiss**" ["AY-dull-vice"]

## Set of 4

10. Harold Lowe and Charles Lightoller were among the officers of what ship during its doomed maiden voyage in 1912?  
A: RMS **Titanic**
11. A rival of the Cunard Line, what shipping line owned the *Titanic*?  
A: **White Star** Line
12. Widely criticized in the press for escaping aboard a lifeboat, what chairman of the White Star Line lived the rest of his life as a pariah after the disaster?  
A: Joseph Bruce **Ismay**
13. What ship carried the approximately 700 survivors of the disaster to New York?  
A: RMS **Carpathia**

## Jackpot

14. Part 1: After a fight goes wrong at the start of *The Three Musketeers*, what kind of object is stolen from d'Artagnan?
15. Part 2: In a play, after being given one of these objects, Friar John is locked up in a quarantine house because of an outbreak of the plague.
16. Part 3: In another book, a family leaves their home for a small rocky island after dozens of these objects fall through their house's chimney on a Sunday.
17. Part 4: Novels made up of these are called epistolary.  
A: **letters** (accept: **envelopes** on Parts 1, 2, and 3) (prompt on: **mail**)

## Set of 3: Square Root of 2

18. Apocryphally leading to his murder at the hands of Pythagoras, Hippasus proved that the square root of 2 is what type of number, which cannot be expressed as a fraction of whole numbers?  
A: **irrational** number
19. To two decimal places, express the square root of two.  
A: **1.41**
20. The square root of two is the scale factor for what quantity in optics and photography, defined as the ratio of focal length to effective aperture?  
A: **f-stop** (accept: **f-number**, **f-ratio**, **focal ratio**)

## 5-Part Blitz

21. What word refers to the thread that burns in a candle?  
A: **wick**
22. What branch of chemistry deals with rates of reactions?  
A: chemical **kinetics**
23. What word refers to strands of hair that have been dyed brighter than the surrounding hair?  
A: **highlights**
24. Difficulty in understanding numbers and math is the defining characteristic of what learning disorder?  
A: **dyscalculia**
25. In moneyline odds, if an outcome is given odds of minus 140, how much money would have to be wagered to make a profit of \$200?  
A: **\$280**

## END OF FIRST QUARTER

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## SECOND QUARTER

### Splits: Earth's Oceans & World War I in Film

#### Earth's Oceans

26. In metres and within one thousand, what is the average depth of the world's oceans?  
A: **3,688** metres (accept answers between **2,688** and **4,688**, inclusive)
27. The rotation seen in ocean gyres, and the fact that they deflect near the equator, are caused by what force that occurs in rotating frames of reference?  
A: **Coriolis** force/effect

28. What oceanic feature surfaces to create a large rift valley running through Iceland?

A: **Mid-Atlantic Ridge**

29. What is the deepest point in the world's oceans?

A: **Marianas Trench** (accept: **Challenger Deep**)

### World War I in Film

30. Directors Edward Berger and Lewis Milestone have both adapted what 1929 anti-war novel by Erich Maria Remarque?

A: **All Quiet on the Western Front**

31. What year titles a 2019 Sam Mendes film that appears to be shot entirely in two continuous takes?

A: **1917**

32. What actor portrayed Colonel Dax, who unsuccessfully tries to defend three soldiers in a court martial in Stanley Kubrick's 1957 film *Paths of Glory*?

A: **Kirk Douglas** (prompt on: Douglas) (accept: Issur **Danielovitch**)

33. What silent film about a love triangle between two pilots and a woman was the first winner of the Academy Award for Best Picture?

A: **Wings**

### Double Jump

34. What game sees the protagonist fall into the Underground and interact with characters like Toriel, Papyrus, and Sans?

A: **Undertale**

35. Give both of the canonical names of the two similar-looking human children around whom the story of *Undertale* revolves.

A: **Frisk** AND **Chara** ["CARE-uh"]

### Double Jump

36. What militant group employed paragliders as part of their infiltration forces for an October 7th, 2023 surprise attack into a neighbouring country?

A: **Hamas**

37. The Supernova Sukkot Gathering, one of Hamas' initial targets from which they took many civilian hostages, was what kind of event?

A: **music festival** (accept: **trance/EDM/electronic music festival, rave**) (prompt on: festival, music concert)

### Set of 4: The AIDS Crisis

38. AIDS is a syndrome that results from infection by what virus?

A: **HIV** (accept: **human immunodeficiency** virus)

39. What small country currently has the highest adult prevalence rate of HIV/AIDS, with over 28% of adults affected?

A: **Eswatini** (accept: **Swaziland**)

40. The words "Bully, Coward, Victim" memorialize what lawyer on the AIDS Memorial Quilt, whose final days were depicted in Tony Kushner's *Angels in America*?

A: Roy **Cohn**

41. What group referenced someone dying of HIV in the lyric "three letters took him to his final resting place" from their song "Waterfalls"?

A: **TLC**

#### Set of 4: Islands of Indonesia

42. Medan and Palembang are on what island, separated by the Strait of Malacca from the Malay Peninsula?  
A: **Sumatra**
43. What island is Indonesia's only Hindu-majority province as well as the country's main tourist destination?  
A: **Bali**
44. Just over half of Indonesia's population lives on what island?  
A: **Java**
45. What island is the site of a long-running rebellion against Indonesian rule because its inhabitants have more in common with the country on the eastern part of the island?  
A: **New Guinea**

#### 5-Part Blitz

46. What job does Ryan Gosling's Ken have in the *Barbie* movie?  
A: **beach** (reject word forms)
47. What was the capital of the Old Kingdom of Ancient Egypt?  
A: **Memphis**
48. What action is allowed when two lanes are divided by a dotted line and forbidden when they are divided by a solid line?  
A: **passing** (accept: **overtaking, lane changing, merging**) (accept word forms)
49. 1111 ["one one one one"] is the binary equivalent of what number in base 10?  
A: **15**
50. Give both products of incomplete combustion that are not produced when combustion is complete.  
A: **carbon monoxide** (accept: **CO**) AND **carbon** (accept: **C, soot**) (prompt on: **ash**)

#### END OF FIRST HALF

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#### THIRD QUARTER

#### Splits: Canadian Political Parties & Non-Alcoholic Drinks

##### Canadian Political Parties

51. The Canadian Labour Congress and the Co-operative Commonwealth Federation formed what Canadian political party in 1961, whose first national leader was Tommy Douglas?  
A: **New Democratic** Party (accept: **New Democrats, NDP**)
52. What former Canadian political party merged with the Canadian Alliance to form the Conservative Party of Canada in 2003?  
A: **Progressive Conservative** Party of Canada (accept: **Progressive Conservatives, PCs**)
53. Cornelius the First, a resident of the Montreal Zoo, was the first leader of what satirical political party?  
A: **Rhinoceros** Party (accept: Parti **Rhinocéros**)
54. Becoming Canada's Official Opposition in 1997, what now-defunct Western populist party was led by Preston Manning?  
A: **Reform** Party of Canada

##### Non-Alcoholic Drinks

55. What Coca-Cola product has been criticized for its nutritional branding despite its high sugar content?  
A: **vitaminwater**

56. The high caffeine content in what energy drink was scrutinized after KSI and Jake Paul marketed it to children?  
A: **Prime**
57. Crashed Ice, Flugtag ["FLOOG-tag"], and the MLS team in New York are some of the many entities sponsored by what energy drink?  
A: **Red Bull**
58. Oolong, chamomile, and Earl Grey are examples of what type of beverage?  
A: **tea**

### Double Jump

59. The luminosity and temperature of what objects are plotted on a Hertzsprung-Russell diagram?  
A: **stars**
60. The star Sirius is located in which constellation?  
A: **Canis Major** (accept: **Greater Dog**) (reject partial answers)

### Double Jump

61. What teacher of Plato was forced to commit suicide for corrupting the youth of Athens?  
A: **Socrates**
62. What type of insect did Socrates use during his trial as a metaphor for himself and his ability to spur the Athenian political environment into a fury?  
A: **gadfly** (prompt on: fly)

### Set of 3: Kinematics

63. What is the vector counterpart of speed?  
A: **velocity**
64. Give the physical quantity that is missing from the following formula: final velocity equals initial velocity, plus time multiplied by BLANK.  
A: **average acceleration** (prompt on: acceleration, a)
65. Taking the signed area under a velocity-time graph gives what quantity?  
A: **displacement**

### Set of 4: The Minnesota Vikings

66. The title of a Sheb Wooley novelty song inspired what colourful nickname for the defensive line of the Vikings of the 1970s?  
A: the **Purple People Eaters** (reject partial answers)
67. A former Winnipeg Blue Bombers player and coach, what Vikings coach and team legend led the team to each of their four Super Bowl appearances in the '60s and '70s?  
A: Bud **Grant**
68. The Vikings play in which division of the NFL, which they share with the Chicago Bears, Detroit Lions, and Green Bay Packers?  
A: **NFC Northern** Division (prompt on: North)
69. Through their 31 playoff appearances, how many Super Bowls have the Vikings won?  
A: **zero** (accept: **none**)

### Linked Set of 6

70. Cai Lun ["tsai loon"] is held to have invented the process for making what product, doing so in China in the first two centuries AD?  
A: **paper**
71. What sitcom followed the activities of a paper company called Dunder Mifflin?  
A: *The **Office***
72. What city is the setting of the American version of *The Office*?  
A: **Scranton**, Pennsylvania
73. Which NHL team has an AHL affiliate in Wilkes-Barre/Scranton?  
A: **Pittsburgh Penguins** (accept either bolded part)
74. What is the largest species of penguin?  
A: **emperor** penguin
75. A common idiom for a glaring weakness or falsehood being exposed is a statement that the emperor lacks what kind of object?  
A: the emperor has/wears no **clothes** (accept: **clothing** in place of clothes)

### END OF THIRD QUARTER

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### FOURTH QUARTER

#### Jackpot

76. Part 1: Who was accused of surmoulage in relation to their first work, which was inspired by *The Dying Slave*? To recover from the accusation, this artist created an oversized depiction of John the Baptist.
77. Part 2: This artist's magnum opus was inspired by the line "Abandon Hope, Ye Who Enter Here", and the most famous part of it is thought to represent either Dante looking down at his characters or this artist looking down at their creations.
78. Part 3: Inspired by a story from the Hundred Years' War, this artist depicted six wealthy Frenchmen surrendering themselves to be executed in *The Burghers of Calais*.
79. Part 4: *The Gates of Hell* and *The Thinker* are sculptures by this Frenchman.  
A: Auguste **Rodin**

#### Streak

80. Following a dispute with her former label Big Machine Records, Taylor Swift has released "Taylor's Versions" of several of her albums. Name up to all of them.  
A: ***Fearless*** (Taylor's Version)  
A: ***Speak Now*** (Taylor's Version)  
A: ***Red*** (Taylor's Version)  
A: ***1989*** (Taylor's Version)

#### Set of 4: Clips

82. What type of clip consists of a metal loop with a spring-loaded gate, and is often used in activities involving ropes such as sailing or climbing?  
A: **carabiner** clip
83. What reptile gives its name to a type of clip with long, serrated jaws?  
A: **alligator**
84. What "B" word means a hair clip?  
A: **barrette**

85. With what piece of software would you associate an anthropomorphic paper clip named Clippy?  
A: Microsoft/MS **Office** (accept: Microsoft/MS **Word/Excel/PowerPoint**)

### Set of 3: Wolves in Culture

86. What lawyer and statesman is the protagonist of the novel *Wolf Hall*?  
A: **Thomas Cromwell** (prompt on partial answers)
87. In mythology, what god is accompanied by the wolves Geri ["Gary"] and Freki?  
A: **Odin**
88. A widely panned 2023 movie sequel to what TV series sees Scott McCall return to Beacon Hills to protect it from the Nogitsune ["no-git-SOO-nay"]?  
A: **Teen Wolf**

### 12-Part Blitz

89. What process has both step-growth and chain-growth methods, and involves creating macromolecules out of subunits called monomers?  
A: **polymerization**
90. Who is the current crown prince of Saudi Arabia?  
A: **Mohammed bin Salman** Al Saud (accept: **MBS**)
91. What word refers to the metal or plastic covering on the tip of a shoelace?  
A: **aglet**
92. What quantity is plotted on the vertical axis of a population pyramid?  
A: **age**
93. What two musicians collaborated on the song "I'm Good (Blue)"?  
A: David **Guetta** AND Bebe **Rexha** (accept: Bebe **Rexha**)
94. To which numbered generation of *Pokémon* video games does *Pokémon Emerald* belong?  
A: **Third** Generation (accept: Generation **3**)
95. What musical marking indicates that notes are to be played detached?  
A: **staccato**
96. Often occurring on clear, calm nights, in what kind of event does air near the surface cool more rapidly than the overlying air, trapping a layer of cool air below a layer of warmer air?  
A: **temperature inversion** (accept: **thermal inversion**) (prompt on: **inversion**)
97. What "J"-word refers to a fanatical belief in the superiority of one's own country, often associated with aggressive views on foreign policy?  
A: **jingoism** (accept: **jingoist**)
98. In what language are the poems *Gitanjali* and *Vande Mataram* and the national anthem of India written? It was the main literary language of Rabindranath Tagore.  
A: **Bengali**
99. How many Space Shuttle missions have ended in a disaster?  
A: **2**
100. To the nearest mile per hour, what was the velocity of the fastest pitch ever thrown in an MLB game?  
A: **106** miles per hour

**END OF GAME**