



2025-26 High School Fall Tournament (T1) – Pack 7

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PACK 7

5-Part Blitz

1. When conjugating the simple future tense in French, what is always the last letter of the verb stem before the ending is added?
A: **R**
2. What composer's "Knee Plays" separate the acts of his opera *Einstein on the Beach*?
A: Philip **Glass**
3. What family of enzymes catalyzes phosphorylation reactions?
A: **kinases**
4. Tony Curtis and Jack Lemmon must disguise themselves to escape from mobsters after inadvertently witnessing a murder in what film starring Marilyn Monroe?
A: ***Some Like It Hot***
5. Ancient Romans transferred water to cities over great distances by building what kind of structures?
A: **aqueducts**

Double Jump

6. Scientists use the ratio of what element's "12" and "14" isotopes to determine the age of ancient materials?
A: **carbon** (prompt on: C)
7. Carbon-14 is produced from, and eventually decays into, the "14" isotope of what other element?
A: **nitrogen** (prompt on: N)

Double Jump

8. Big Boi and Andre 3000 made up what rap duo known for "Ms. Jackson" and "Hey Ya!"?
A: **OutKast**
9. What other OutKast song opens with the made-up word "Inslumnational" and ends with repeated chants of "Power music, electric revival"?
A: **"B.O.B."** (accept: **"Bombs over Baghdad"**)

Set of 4

10. The Stanza della Segnatura is among the rooms in the Apostolic Palace filled with frescoes by what painter, whose death in 1520 is often seen as the end of the High Renaissance?
A: **Raphael** (accept: **Raffaello**, Raffaello **Santi**, Raffaello **Sanzio**)
11. The Stanza della Segnatura contains what fresco depicting many famous classical thinkers gathered in discussion?
A: **The *School of Athens***
12. In *The School of Athens*, Raphael painted Heraclitus to look like what rival painter, whose more dramatic style is visible in the ceiling of the Sistine Chapel?
A: **Michelangelo**

13. After Raphael's influence grew in the early modern period, a group of English painters founded what organization in 1848 to resurrect 15th-century Italian art styles?
A: **pre-Raphaelite** Brotherhood (accept: **pre-Raphaelites**, **PRB**)

Jackpot

14. Part 1: In 1988, a ruling monarch relinquished his country's claim to land west of what body of water, which it had annexed in 1950 but later lost control of?
15. Part 2: A British League of Nations mandate was named for lying past this body of water.
16. Part 3: This river flows south through the Sea of Galilee and empties into the Dead Sea.
17. Part 4: This river indirectly names the Palestinian territory of the West Bank, and it directly names a neighbouring country with its capital at Amman.
A: **Jordan** River (accept: **Dead Sea** on part 1)

Set of 3: Aerodynamics

18. What term describes chaotic changes in air velocity and air pressure, which one can experience on a bumpy plane ride?
A: **turbulence** (accept: **turbulent** flow)
19. Thrust is opposed by what backwards force?
A: **drag**
20. What effect, which describes deflections from a straight line in the motion of spinning objects, can be seen in curveballs?
A: **Magnus** effect/force

5-Part Blitz

21. On what river do two con artists known as the Duke and the King board a raft with Jim and Huck?
A: **Mississippi** River
22. What region was part of Mexico in 1822 and '23, then a unified independent country until 1840, and then split into five separate countries?
A: **Central America**
23. The Pacific Ocean's pole of inaccessibility is more commonly referred to as what, named after a Jules Verne character?
A: **Point Nemo**
24. Most of the White Stripes' album covers, music videos and outfits prominently used what three colours?
A: **black** AND **white** AND **red**
25. What is the slope of any line whose equation is y equals a constant?
A: **zero**

END OF FIRST QUARTER

SECOND QUARTER

Splits: Fiction-Inspired Company Names & Cooking Show Hosts

Fiction-Inspired Company Names

26. Pike Place Market was the first location of what coffee chain named after a Moby Dick character?
A: **Starbucks**
27. Taking its name from characters described in *Gulliver's Travels*, what tech company was a pioneer in the early Internet age, before losing market share to Google in the 2010s?
A: **Yahoo**
28. What meal replacement company gets its name from the sci-fi novel *Make Room! Make Room!*, which in turn inspired a dystopian 1973 movie by Richard Fleischer?
A: **Soylent**
29. What American tech company has recently faced criticism for controversial AI-based surveillance, and takes its name from magical "seeing stones" in the world of Tolkien?
A: **Palantir** Technologies

Cooking Show Hosts

30. What lifestyle icon teamed up with rapper Snoop Dogg to co-host their namesake TV show, *Potluck Dinner Party*, from 2016 to 2020?
A: Martha **Stewart**
31. What American has hosted *Diners, Drive-Ins and Dives* on the Food Network since 2007, and is best known for his "Flavortown" brand of restaurants and sauces?
A: Guy **Fieri**
32. Who asked "Where's the lamb sauce?" in a viral clip on *Hell's Kitchen*, and is known for his angry outbursts?
A: Gordon **Ramsay**
33. Known for malapropisms and colourful quotes such as "If my grandmother had wheels, she would've been a bike!", what Italian chef was a frequent guest on the British show *This Morning* and now appears as the Boss on *Spaghetti Wars*?
A: Gino **d'Acampo**

Double Jump

34. From the early Ming Dynasty onwards, Chinese emperors lived in what huge palace in central Beijing?
A: **Forbidden City**
35. What Ming emperor built the Forbidden City shortly after moving the capital to Beijing in 1403?
A: the **Yongle** ["YOAN-leh"] Emperor

Double Jump

36. What country, home to about a million Maori people, is the second-most-populous in Oceania?
A: **New Zealand**
37. Three-fourths of New Zealanders live on what island?
A: **North** Island

Set of 4: Canadian Cinema

38. Documentaries and animated shorts such as *The Log Driver's Waltz* and *The Sweater* are produced and distributed by what government agency?
A: **National Film Board** of Canada (accept: **NFB**)
39. *The Shrouds* is the newest film by what Canadian director, considered a founder of the body horror genre?
A: David **Cronenberg**

40. Who is set to direct the next James Bond film, and has previously directed science fiction works such as *Arrival* and the *Dune* series?
A: Denis **Villeneuve**
41. What 2023 film directed by Matt Johnson, starring Jay Baruchel as Mike Lazaridis and Glenn Howerton as Jim Balsillie, chronicles the rise and fall of the titular phone?
A: **Blackberry**

4-Part Mystery

42. What adjective describes the ribosome-studded portions of the cellular transport system, the endoplasmic reticulum?
A: **rough**
43. What poem opens by recalling "I saw the best minds of my generation destroyed by madness"?
A: **"Howl"**
44. Also known as a bass, what kind of speaker produces sounds below 200 Hertz in frequency?
A: **woofer** (accept: **subwoofer**)
45. What part of a tree is located outside the vascular cambium and contains the phelloderm as well as cork cells?
A: **bark**
[Theme: onomatopoeia for dog sounds]

5-Part Blitz

46. What world capital has a name meaning "eastern capital" and was formerly called Edo?
A: **Tokyo**
47. What city gives its name to a metalworking technique that engraves blackened steel with patterns of gold or silver?
A: **Damascus**
48. By what nickname is Derek Guy, who often tweets in depth about the fashion choices of male celebrities, commonly known?
A: the **menswear guy** (accept: **dieworkwear**)
49. What position did Soraya Martinez Ferrada win in November 2025, succeeding Valérie Plante?
A: **mayor of Montreal** (accept: **Montreal mayor**) (prompt on: **mayor**)
50. How many piles are dealt at the start of a game of Klondike solitaire?
A: **7**

END OF FIRST HALF

THIRD QUARTER

Splits: Baseball Positions & Literary Genres

Baseball Positions

51. "The tools of ignorance" is a nickname for the equipment worn by players at which position, since it is so dangerous that supposedly only a fool would want to play it?
A: **catchers**
52. Which position is responsible for backing up third base and home plate on throws from the outfield, and covers first base on ground balls to the first baseman?
A: **pitchers**

53. Since it sometimes has to make very long throws to third base and home plate, a powerful throwing arm is common at which position?
A: **right fielders** (prompt on: right)
54. It is advantageous to be left-handed at which position, to more easily throw across the diamond to begin a 3-6-3 double play and to more easily complete pickoff plays?
A: **first baseman** (accept: **first basemen**) (prompt on: first)

Literary Genres

55. Traditionally opening in medias res, a long poem in which a hero confronts often-supernatural challenges is referred to by what name?
A: **epic** poem/poetry
56. In both Ancient Greek and Shakespearean times, what word referred to any story with a happy ending, but now has a very different meaning?
A: **comedy/comedic**
57. *Journey to the West* can be seen as a Chinese analogue of what European genre, which follows lower-class anti-heroes through humorous scheming and adventure?
A: **picaresque** novels (accept: **picaresques**)
58. The characters and narrator are undisturbed by supernatural events in an otherwise normal world in what 20th-century genre?
A: **magical realism** (accept: **magical realist**)

Set of 3

59. In their late teens, members of what community are temporarily allowed to “dress English”, date, and drive cars during a period known as the rumspringa [“room-SHPRING-uh”]?
A: Old Order **Amish**
60. If they decide to stay, Amish young adults will undergo what religious sacrament, which the Amish believe must be performed on willing believers rather than on babies?
A: adult/believer’s **baptism** (accept: getting/being **baptized**)
61. Which American state is home to the largest Amish population?
A: **Pennsylvania**

Jailbreak

62. What Canadian electronic band takes its name from a kind of jewelry worn by many Christian teenagers in the United States to represent chastity?
A: **Purity Ring**
63. What country reformed its military after being disastrously defeated by Napoleon at the battles of Jena [“YENN-uh”] and Auerstadt [“AH-wer-shtatt”]?
A: **Prussia**
64. What is Pakistan’s main port and largest city?
A: **Karachi**
65. What is the singular form of the word “data”?
A: **datum**
66. The player character works for the government of Arstotzka as a customs inspector in what video game?
A: **Papers, Please**
67. Since taking office, the Trump Administration has been ignoring a law that requires them to ban what app in the United States?
A: **TikTok**

68. Originally referring to a person who drove animals pulling a wagon, what term now refers to a truck driver and names their labour union, an "International Brotherhood"?
A: **teamsters**
69. What philosopher's statement "Man is born free, but everywhere he is in chains" opens his magnum opus, *The Social Contract*?
A: Jean-Jacques **Rousseau**
70. Only using coins in common circulation, what is the fewest number of coins needed to make 90 cents?
A: **5** coins
71. What company employed Kristin Cabot and Andy Byron, who were revealed to be having an affair after being shown on the Jumbotron at a 2025 Coldplay concert?
A: **Astronomer**, Inc.
72. What game requires players to build their own individual connected word grid out of tiles that come out of a bag shaped like a fruit?
A: **Bananagrams**
73. What is by far the world's most voluminous lake, as well as its largest?
A: **Caspian** Sea
74. Which planet of the Solar System has a significant hemispheric dichotomy, with the crust in its southern hemisphere being nearly twice as thick as its northern hemisphere?
A: **Mars**
75. How many letters are in the Greek alphabet?
A: **24**

END OF THIRD QUARTER

FOURTH QUARTER

Jackpot

Note: the answer to this question will be one word.

76. Part 1: The company Eat Just is mainly known for its substitute version of what food?
77. Part 2: One British preparation of this food involves coating it in a mixture of sausage meat and bread crumbs and deep-frying it. When placed in a container and cooked in a water bath, this food is said to be "coddled".
78. Part 3: The stiff peaks in meringue are formed from whipping one component of this food.
79. Part 4: Diners commonly serve this food poached, scrambled, or sunny side up.
A: **eggs**

Streak

80. Give the names of up to all six primitive data types for numbers in Java.

A: **bytes**

A: **shorts**

A: **ints**

A: **longs**

A: **floats**

A: **doubles**

Streak

83. Name up to all the countries where the four strongest 21st-century earthquakes have occurred.

A: **Russia**

A: **Japan**

A: **Indonesia**

A: **Chile**

Set of 4: Butterflies

85. What bright colour makes up most of a monarch butterfly's wings?

A: **orange**

86. Butterflies in their pupal stage enclose themselves in what hard casing until they reach maturity?

A: **chrysalises** (accept: **chrysalids**)

87. In the 1980s, who popularized the butterfly style of goaltending in the NHL?

A: Patrick **Roy** ["wah"]

88. The main character turns into a butterfly at the end of what classic book by Eric Carle?

A: *The **Very Hungry Caterpillar***

12-Part Blitz

89. What kind of geographical feature is represented by strings in a symphonic poem by Bedrich Smetana?

A: **rivers**

90. What unit of measurement of approximately 185 metres was used in ancient Greece as the distance for a sprint race?

A: **stades** (accept: **stadion**, **stadium**, **stadia**)

91. You will have five seconds. How many distinct ways are there to permute the letters in "BANANA"?

A: **60**

92. With what English-language nursery rhyme do "Baa, Baa, Black Sheep" and "The Alphabet Song" share a common melody?

A: **"Twinkle, Twinkle, Little Star"**

93. What two-word term do psychologists use for the situation in which someone holds mutually contradictory beliefs or opinions, often a source of stress?

A: **cognitive dissonance**

94. Spell solder ["SAW-durr"], a verb meaning to join two metals together by filling the gap between them with a melted metal that then solidifies.

A: **S-O-L-D-E-R**

95. Muscat is the capital of what country, on the eastern tip of the Arabian peninsula?

A: **Oman**

96. What is the two-word name for the kind of compound an acid becomes after it donates a proton in solution?

A: **conjugate bases**

97. What character uses the battle theme "Megalovania" in *Undertale*?

A: **Sans** the Skeleton

98. In what year did former US congressman Isidor Straus and his wife Ida die?

A: **1912**

99. What fashion designer created the "Le Smoking" women's tuxedo and six cocktail dresses inspired by the work of Piet Mondrian?

A: Yves **Saint-Laurent** (accept: **YSL**)

100. What mountain range bisects the eastern United States?

A: **Appalachian** Mountains (accept: the **Appalachians**)

END OF GAME