



Speed Check Series #47  
Packet 11

Tossups

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1. Which country chartered the Company of One Hundred Associates, [pause] lost the Battle of the Plains of Abraham, [pause] and claimed Canada under Samuel de Champlain ["sham-PLAIN"]?  
answer: (Kingdom of) France (or Royaume de France) <386709>
2. The operands of a "Cartesian product" or "symmetric difference" are what mathematical entities whose "cardinality" is the number of elements they contain?  
answer: sets <378169>
3. What man, who illustrated division of labor with the example of a pin factory, created the metaphor of the invisible hand in *The Wealth of Nations*?  
answer: Adam Smith <370421>
4. What present-day country's independence struggle was aided by the Comte de Rochambeau [roh-sham-BOH] and the Marquis de Lafayette after its victory at Saratoga?  
answer: United States of America or U.S.A. (accept any underlined portion; accept American Revolution) <385343>
5. Pencil and paper ready. Two answers required. What are the *two* roots of the equation  $x$  squared plus  $11x$  plus 30 equals zero?  
answer:  $x = \underline{-5}$   
 $x = \underline{-6}$  (accept answers in either order; do not accept or prompt on answers including "5" or "6"; do not accept or prompt on partial answers) [ $x^2 + 11x + 30 = 0$ , so  $(x + 5)(x + 6) = 0$ , and  $x = -5$  or  $x = -6$ ] <315889>
6. What religious figure appears in *The Faerie Queene* ["fairy queen"] as the Redcrosse ["red cross"] Knight, a warrior who fights a dragon and is told he'll be England's patron saint?  
answer: Saint George <388353>
7. What composer of the piano pieces *Carnaval* [kar-nah-VAHL] and *Scenes from Childhood* married Clara Wieck [veek] before creating the *Spring* and *Rhenish* [REH-nish] symphonies?  
answer: Robert Schumann [SHOO-mahn] <379736>
8. What quantity, which never decreases in a closed system according to the second law of thermodynamics, is a measure of a system's disorder?  
answer: entropy <370815>
9. What man, nicknamed the "Red Eminence," advised Louis XIII ["the 13th"], [pause] played the villain in the novel *The Three Musketeers*, [pause] and was succeeded by Cardinal Mazarin [MAA-zuh-RAN]?  
answer: Cardinal Richelieu [ree-sheh-loo] (or Armand Jean du Plessis, Duc de Richelieu) <385344>

10. What athlete, whose expected parole was blocked by Michael Masutha, was convicted of shooting Reeva Steenkamp and is a South African Olympic runner?

answer: Oscar (Leonard Carl) Pistorius

&lt;387574&gt;

11. Batholiths [ˈBATH-uh-liths] are made of the “plutonic” [plooh-TAH-nik] subtype of what class of rock that include basalt [buh-“SALT”] and are contrasted with metamorphic [MEH-tuh-MOR-fik] and sedimentary ones?

answer: igneous [IG-nee-us] rocks (accept plutonic igneous rocks or intrusive igneous rocks before “basalt”; prompt on “rock(s)” before “rocks”)

&lt;386151&gt;

12. What character once known as “Nick Chopper” is pleased to receive a sawdust-filled silk heart and frets about rusting while accompanying Dorothy in Oz?

answer: Tin Man (or Tin Woodman; accept Tin Woodsman)

&lt;385689&gt;

13. What ancient kingdom, whose First Dynasty supposedly began when Narmer [NAR-mur] or Menes [MEE-nee-z] unified its “Upper” and “Lower” portions, was ruled by pharaohs [ˈFAIR-ohz]?

answer: ancient Egypt (or ancient Egyptians)

&lt;385251&gt;

14. The van der Waals [vahlz] equation is an improvement on what law, derived from the kinetic theory of gases, that is usually written as  $PV$  [ˈP-V] equals  $nRT$  [ˈN-R-T]?

answer: ideal gas law (or universal gas law or general gas law or perfect gas law; prompt on “combined gas law” before “n”; prompt on “gas law” before “gases”)

&lt;349787&gt;

15. What string instrument introduced in the 1800s and played by Tiny Tim and Israel Kamakawiwo'ole [kuh-MAH-kuh-VEE-voh-OH-lay] has four strings and is used in Hawaiian music?

answer: ukulele [YOO-kuh-LAY-lay]

&lt;381062&gt;

16. What constituent country of the United Kingdom was the subject of the Good Friday Agreement, which ended its “Troubles” with the IRA around Belfast?

answer: Northern Ireland (do not accept or prompt on “Ireland”)

&lt;385354&gt;

17. What band, which had James Hetfield as lead singer for songs like “Enter Sandman,” recorded the albums *Master of Puppets* and *And Justice For All*?

answer: Metallica

&lt;362572&gt;

18. The World War I Battle of Tannenberg was fought in what modern-day nation, whose cities include Lublin [LOO-bleen], Gdansk [guh-DANSK], and its capital of Warsaw?

answer: (Republic of) Poland (or Rzeczpospolita Polska)

&lt;371920&gt;

19. What title character flirts with Frank Churchill and is upset when her friend Harriet becomes attracted to Mr. Knightley in a novel by Jane Austen?

answer: Emma Woodhouse (or Emma Knightley; accept any underlined portion; prompt on “(Mrs.) Knightley” before “Knightley”)

&lt;388159&gt;

20. What particle discovered by J. J. Thomson had its charge measured by Robert Millikan in the oil-drop experiment, and is often found orbiting nuclei?

answer: electrons

&lt;386141&gt;

21. What state, which contains the eastern part of the Bakken Shale, has recently witnessed a fracking boom and is home to Fargo and Bismarck [BIZ-mark]?

answer: North Dakota

&lt;384559&gt;

22. What town was depicted in Nathaniel Hawthorne's “Young Goodman Brown” and Arthur Miller's play *The Crucible*, which are both set during its witch trials?

answer: Salem (Village), Massachusetts (accept Danvers, Massachusetts; accept Salem witch trials)

&lt;372516&gt;

23. What material produced by members of order Scleractinia [sklair-ak-TIN-ee-uh] is a hard skeleton of calcium carbonate secreted by polyyps [PAH-lupz] that forms namesake "reefs"?
- answer: coral (accept corallite or coral reefs; prompt on "reef(s)" before "reefs"; prompt on "aragonite" before "reefs"; prompt on "calcium carbonate" before "calcium")
- <37273>
24. The *losing* signatory to the Treaty of Shimonoseki [shee-moh-noh-seh-kee] was what country that ceded land on the Liaodong [l'yow-doong] Peninsula to Japan after an 1894 war over Korea?
- answer: (Imperial) China (or Zhongguo; accept Qing Dynasty)
- <385340>
25. What material used by Daniel Chester French for the Lincoln Memorial also made up the sculptures taken from Greece to England by the Earl of Elgin?
- answer: marble (accept Elgin Marbles)
- <386696>
26. The Livingstone Falls are found along what river that flows past Brazzaville [BRAH-zuh-vil] and Kinshasa [kin-SHAH-suh], the capitals of its two namesake central African nations?
- answer: Congo River (accept Zaire River)
- <386719>
27. What character uses Heck Tate's rifle to shoot a rabid dog, [pause] defends Tom Robinson in court, [pause] and is the father of Scout Finch in *To Kill a Mockingbird*?
- answer: Atticus Finch (prompt on "Finch")
- <371201>
28. Pencil and paper ready. What is the maximum whole number of 45-cent stamps that Joanne can buy if she has 13 dollars available?
- answer: 28 stamps [1300/45 = 28r40]
- <315548>
29. What holiday, which was denounced as meaningless to slaves in a Frederick Douglass speech, celebrates the signing of a "Declaration" in 1776?
- answer: July 4 or Independence Day or the Fourth of July
- <385427>
30. What rock band, whose album *From Under the Cork Tree* included "Dance, Dance," features vocals from Patrick Stump on the songs "Uma Thurman" and "Centuries"?
- answer: Fall Out Boy
- <387601>
31. In what country's 2015 election will the anti-austerity Podemos [poh-DAY-mohss] Party try to take seats from the People's Party of Mariano Rajoy [mar-YAH-noh rah-HOY], who leads in Madrid?
- answer: (Kingdom of) Spain (or Reino de España)
- <387234>
32. What theologian included a chapter on "The Doctrine of Election" in his *The Institutes of the Christian Religion*, which he revised in Geneva?
- answer: John Calvin (or Jean Cauvin)
- <386288>
33. What 1860 Northern Democratic presidential candidate and supporter of popular sovereignty won an 1858 Illinois senate race after debating Abe Lincoln?
- answer: Stephen (Arnold) Douglas (accept Lincoln-Douglas debates after "Lincoln")
- <384658>
34. What city, whose Binnenhof [BIN-in-hoff] complex houses the International Criminal Court, is the seat of government but *not* the capital of the Netherlands?
- answer: The Hague [hayg] (or Den Haag [hahg] or 's-Gravenhage)
- <387543>
35. What playwright depicted a woman named Lampito [lam-PEE-toh], who helps to end the Peloponnesian [pel-uh-puh-NEE-zhun] War, in a masterpiece of Greek Old Comedy titled *Lysistrata* [liss-ih-STRAH-tuh]?
- answer: Aristophanes [ˈAIR-ih-STAH-fuh-neeZ]
- <384934>

36. What man, who landed at Kayak Island while sailing for Peter the Great, was a Danish-Russian captain who names the strait between Russia and Alaska?

answer: Vitus (Jonassen) Bering ["bearing"] (accept Bering Sea or Bering Strait after "strait")

&lt;385540&gt;

37. What action did Joyce Mitchell help Richard Matt and David Sweat take in New York by smuggling tools hidden in hamburger meat to the two inmates?

answer: escaping from prison (accept any answer indicating the notion of escape from or breaking out of jail or a penitentiary or Clinton Correctional Facility)

&lt;388643&gt;

38. What series, whose hero is trained by a man called "Stick" and fights the criminal Wilson Fisk, is a Netflix show about the blind lawyer Matt Murdock?

answer: (Marvel's) Daredevil

&lt;388284&gt;

39. What scientific organization known by a five-letter abbreviation sets the guidelines for naming organic compounds and approves element names?

answer: IUPAC ["eye-you-pack"] or International Union of Pure and Applied Chemistry

&lt;386859&gt;

40. What practice—whose ten sites included Manzanar [MAN-zuh-nar]—was ruled constitutional in *Korematsu* [KOR-ah-maht-zoo] *v. U.S.* and involved relocating Americans during World War II?

answer: Japanese-American internment (accept interning; prompt on answers that mention "detention" or "confinement" or "impounding" or the notion of "being held in camps"; do not accept or prompt on answers that mention "prison" or "jail" or "arrest" or "concentration (camp)")

&lt;385458&gt;