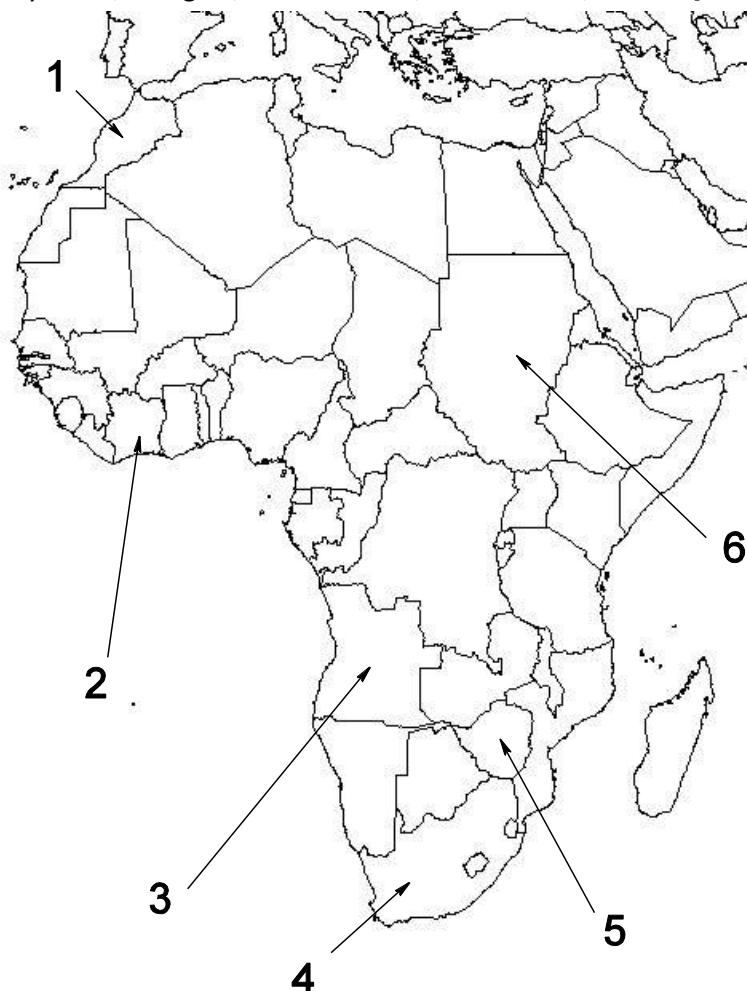

APARM 2010 Dinner Quiz

Try to complete the quiz during dinner
The highest scoring table wins a prize!

SOLUTIONS

1. Name the six countries marked on the map

[1. Morocco; 2. Ivory Coast; 3. Angola; 4. South Africa; 5. Zimbabwe; 6. Sudan]



2. Name three of the six African countries that are crossed by the Equator

[Gabon, Congo Republic, Democratic Republic of Congo, Uganda, Kenya and Somalia.]

3. What is the atomic number of Fluorine? [9]

4. Which countries do these flags belong to?



[1. Argentina; 2. Malaysia; 3. Thailand; 4. Panama; 5. Korea; 6. New Zealand]

5. Put these 5 largest cities in order of increasing population size:

Dehli, Guangzhou, Mexico City, Seoul, Tokyo

[<http://www.citypopulation.de/world/Agglomerations.html>]

[1 Tokyo, Japan 34,000,000 incl. Yokohama, Kawasaki, Saitama

2 Guangzhou/Canton 24,200,000 Northern Pearl River Delta incl. Dongguan, Foshan, Jiangmen, Zhongshan

3 Seoul, Korea (South) 24,200,000 incl. Bucheon, Goyang, Incheon, Seongnam, Suweon

4 Mexico City, Mexico 23,400,000 incl. Nezahualcóyotl, Ecatepec, Naucalpan

5 Delhi, India 23,200,000 incl. Faridabad, Ghaziabad]

6. The hyoid bone is the only bone in the human body that is not articulated (attached) to any other bone. Where is the hyoid bone found?

[Throat]

7. Name the current Premiers/Prime Ministers/Presidents of the following countries

a. New Zealand [John Key]

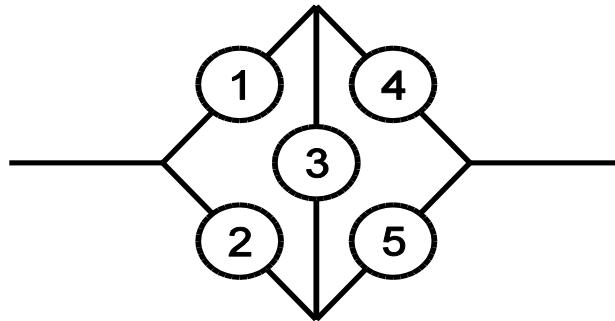
b. China [Wen Jiabao]

c. USA [Barack Obama]

d. Spain [José Luis Rodríguez Zapatero]

e. Argentina [Cristina Fernández de Kirchner]

8. List the minimal cutsets of the bridge system



[(1,2), (4,5), (1,3,5), (2,3,4)]

9. What is the skewness of the $\text{Gamma}(\alpha, \beta)$ distribution?

$$\frac{2}{\sqrt{\alpha}}$$

10. Which has the greater skewness? $\text{Ga}(1,1)$ or $\text{Ga}(2,2)$?

[Their skewnesses are $2/1=2$ and $2/1.4142=1.4142$ – $\text{Ga}(1,1)$ is more skewed]

11. In computing, what exactly is a petaflop?

[1000 trillion, i.e. 10^{15} , floating point operations per second]

12. What do the following stand for?

- a. USB [= Universal Serial Bus]
- b. WWW [= WorldWide Web]
- c. http [= hyper-text transfer protocol]
- d. TCP/IP [= transmission control protocol/internet protocol]
- e. MS-DOS [= Microsoft Disk Operating System]
- f. PDF [= Portable Document Format]

13. What are the plastic horns popular at football matches in South Africa called?

[Vuvuzela or Lepatata]

14. Kriek beer, a Belgium brew, is flavoured with which fruit?

- a. Strawberries;
- b. Plums;
- c. Cherries;
- d. Raspberries

[Morello cherries]

15. In which country is the 'Chrysanthemum Throne'?

[Japan]

16. What is the Finnish name for Finland?

[Suomi]

17. What are the only two South American countries that do not border Brazil?

[Chile and Ecuador]

18. Fruit flies were the first animals to do what in 1947?

[Go into space]

19. What are the Chinese names of the two rivers that separate the northeast of the country from Russia?
a. Heilong / Wusuli; b. Songhua / Woken; c. Amur / Ussuri; d. Huma / Nen
[Heilong/Wusuli]
20. What is the English translation of Beijing?
a Northern Capital; b. Eastern Capital; c. Southern Capital; d. Western Capital
[Northern Capital]

Special Section on New Zealand

*For this section you can find any New Zealander at any table
and get their help if you need it*

21. Name New Zealand's national airline [Air New Zealand]
22. What are the names of the two largest islands in New Zealand? [North Island, South Island]
23. What is the theme of the national airline's current safety video? [Rugby]
24. What colour is the New Zealand \$20 note? [Green]
25. In what town are the Whakarewarewa hot springs? [Rotorua]
26. Who is the Mayor of Wellington? [Celia Wade-Brown]
27. In Māori, what does *tēnā koutou katoa* literally mean? [There you all are – to 3 or more people]
28. When is *tēnā koutou katoa* said? [in greeting]
29. What is New Zealand's longest placename?
Taumatawhakatangihangakoauauotamateapokaiwhenuakitanatahu
["The place where Tamatea, the man with the big knees, who slid, climbed and swallowed mountains, known as 'landeater,' played his flute to his loved one."]
30. In what year did New Zealand cease to be a colony of England, and become a Dominion? [1907]