

Week 4 Answers

Question 1

As discussed in class, the “argument signifier” here is: “this is not a legitimate definition”, a very strong statement about whether X is good or bad. The only other somewhat plausible answer here is A, but when you look at the paragraph you will see that A is actually a building block for C: “Having a relatively low income is not the same as being poor, **therefore** we should not use this definition”. The answer is C.

Question 2

Didn't pose difficulty for anyone. A nice lowest common multiple question: the LCM of 2m and 2.5m is 10m, so the answer is D.

Question 3

Also not too difficult! Find the row B for bicycle lock, so you are left with DFGC. You know they are in reverse order so flip it to be CGFD, which is 3764. Therefore E.

Question 4

Mostly people got this correct. The key is to see that the middle square can be either an indent or a block on top and that, because this is a bird's eye view, you don't know what is “in the middle” of the block.

A is the only one it could not be, as it indicates a trench which runs from one side of the sculpture to the other; on the bird's eye view, there is no such trench.

Question 5

Two tricks to this question. First, identify that Home Wins + Away Wins forms what looks like a right-angle, which you know is therefore 75%. Secondly, to check, there are only 24 matches so you know that if it looks like a right-angle, it will be 75%.

As we discussed, this question would be a lot harder if the team had played e.g. 24,0000 matches, because then you couldn't be sure that it really was a right angle!

Question 6

As I mentioned, nets are my least favourite type of question but you guys did very well on it! Process of elimination is usually best here.

Cube A is impossible as you know the vertical and horizontal lined sides do not touch, as they are always separated by the cross side.

Cube B is impossible for the same reason.

Cube C is impossible because you know that the cross side and the thin-diagonal side do not touch; they are always opposite one another.

Cube D is impossible because the thick-diagonal line is running in the wrong direction here.

Therefore, Cube E is correct.

Question 7

Several ways to do this but actually the simplest is to see that you must have 8 group winners (because there are four quarter finals with two teams each). Therefore, answer must be divisible by 8: you are left with A (8) and (E) 72. You know it cannot be A because that would mean every group only had one team in it, so it must be E.

Question 8

Easiest way to do this (I think) is to convert all times to UK: Departs London at 2230 GMT. Departs Dubai at 1030 GMT next day. Arrive Kampala 1745 GMT same day.

There is 12 hours between departing London and arriving in Dubai, and 7hr 15 minutes between departing Dubai and arriving in Kampala. Added together, you get 19hr 15 minutes. From this, you must subtract the 5hr 15 minute layover in Dubai.

Therefore, the answer is B (14 hours).

Question 9

Very good answers to this generally. One key thing to know/remember is that “printing” here doesn’t refer to electronic printing, but to the invention of the Printing Press in the late 15th century, which made communication of ideas by the medium of text far easier.

I think the simplest approach here is to explain the different effects of the Internet: it has lower barriers to entry than the printing press, enables e.g. video-calling, easier collaboration, more globalisation. Enables genuine “mass communication” whereas telephone was predominantly bilateral (e.g. one person calling another) and allows people to communicate anonymously.

Question 10

Good answers to this albeit highly focused on COVID. Best arguments focused on the idea that not all questions in politics can be reduced to science or “technocracy”; lots are about genuine political ideas of e.g. who gets what and when (“distributive justice”) which are best dealt with by democratically elected governments.