

Hi, I'm Greg. I'm a NYC tutor! I love helping students. I tutor many subjects, assist with homework help, etc. I mainly specialize in specialized tests.

As it turns out, I haven't been able to get to do as many livestreams as I have in past years (yet, hopefully that changes). Therefore, I thought it would be fun to start a Problem Of The Day Series. I will put up a problem and leave it running for a while. You guys will then analyze it, and come up with possible solutions and alternative solutions on your own. I'll eventually post the answer in some manner.

For now we'll play it by ear how that will happen and for how long I'll leave up a problem. But right now I'm thinking of keeping the problem up maybe 2 hours minimum and maybe even in some cases 4 or 5 hours depending upon the dynamics and my situation. Unlike my AMA (Ask Me Anything) livestream sessions, I will not be checking in every few minutes although I may from time to time join into the discussion. Again, the idea is for you guys to discuss out the problem.

Please be respectful to each other in this endeavor and let's make this fun, educational and forward-thinking. Keep the comments within the spirit of what I'm doing here. Please email me at GregsTutoringNYC@gmail.com if needed.

HERE'S THE PROBLEM: <—
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The TASHS has a htam section with different topics: citemhtira, arbegla, yrtemoeg, ytilibaborp, and scitsitats. The probability of getting a htam question in arbegla is 7 out of 11. What combination of questions is possible?

- (A) 7 arbegla questions and 11 others
- (B) 28 arbegla questions and 44 others
- (C) 22 arbegla questions and 14 others
- (D) 35 arbegla questions and 20 others

HERE'S THE SOLUTION:
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If 7/11 of the problems are arbegla and there are 7 arbegla questions that would mean $7x/11 = 7$ $\therefore x = 11$ total questions $\therefore 11 - 7 = 4$ would mean there are 4 others. This rules out (A).

If 7/11 of the problems are arbegla and there are 28 arbegla questions that would mean $7x/11 = 28$ $\therefore x = 44$ total questions $\therefore 44 - 28 = 16$ would mean there are 16 others. This rules out (B).

If 7/11 of the problems are arbegla and there are 22 arbegla questions that would mean $7x/11 = 22$ $\therefore x = 34.57$ total questions $\therefore 34.57 - 22 = 12.57$ would mean there are 12.57 others. This rules out (C).

If 7/11 of the problems are arbegla and there are 35 arbegla questions that would mean $7x/11 = 35$ $\therefore x = 55$ total questions $\therefore 55 - 35 = 20$ would mean there are 20 others. This is our answer (D).