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Hi everyone, Alexis Avila Founder of Prepped & Polished LLC, here in Boston. One way to boost your math score on the SAT test is to try a plug in technique for math problems that involve variables. I am going to show you how you can get hard level SAT math questions correct by using a plug in technique.

The question is, if  $Y$  and  $X$  are positive numbers, what percent of  $Y$  is  $X$ . The first thing you are going to do is plug in for  $Y$  and  $X$ . Let's make  $Y = 2$  and  $X = 1$  for this specific problem. Now you are going to reread the question with the numbers that you assigned for the variables. So, if 2 and 1 are positive numbers, what percent of 2 is 1? The question now is what percent of 2 is 1, pretty easy, right? That's 50%. We are just going to say 50. That's what I circled here is our target answer. Which means the correct formula will render 50.

Finally, plug in your numbers for  $Y$  and  $X$  into all of your answer choices and eliminate the answers that will not give you 50, which is your target answer. Just a shortcut here, if you plug in your numbers in A, B, C, and D, these equations will not give you 50. But, if you go to E which is  $100X$  over  $Y + 1$ , let's solve it.  $100X$  is 100 times 1 over  $2 + 1$  which is 3. So, 100 over 3 is 33, a perfect match to your target answer. Go with choice E and move on through the test. As you can see you make harder problems easier for yourself when you utilize the plug in technique. Good luck on your SAT and I will talk to you soon.