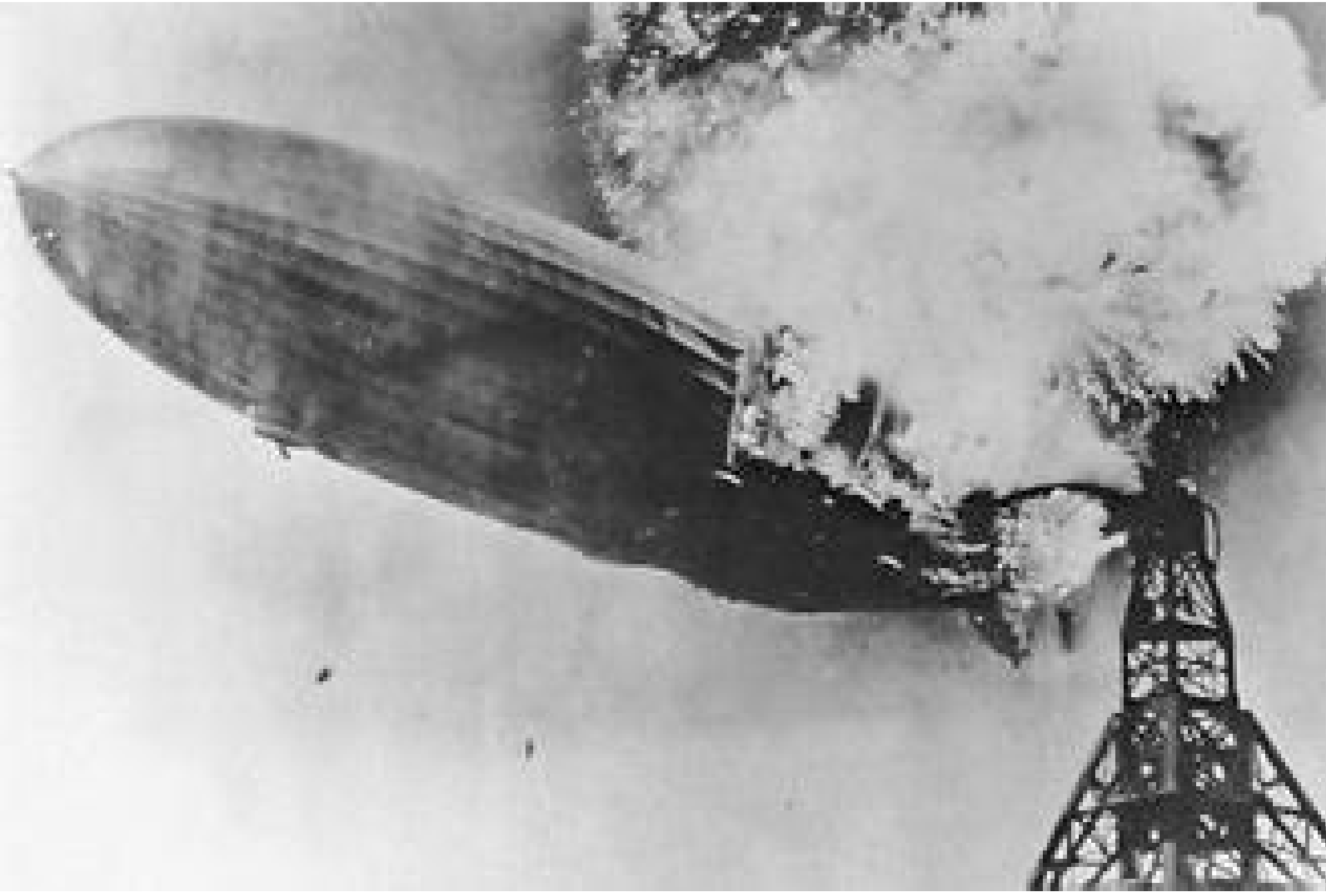


The Hindenberg



The Hindenberg

Let's model the famous Hindenberg blimp as a cylinder. Assuming it was 75 meters long and had a radius of 8 meters, how many moles of H_2 gas were present in the Hindenberg? [Hint: you may assume that the pressure of H_2 was 1 atm.]