In a class on 100 students, 80 students passed in all subjects, 10 failed in one subject, 7 failed in two subjects and 3 failed in three subjects.

Find the probability distribution of the variable for number of subjects a student from the given class has failed in.

**P(x=0) is the probability of a student who failed in zero subject = 80/100 = 0.8 = 80%**

**P(x=1) is the probability of a student who failed in one subject = 10/100 = 0.1 = 10%**

**P(x=2) is the probability of a student who failed in two subject = 7/100 = 0.07= 7%**

**P(x=3) is the probability of a student who failed in three subject = 3/100 = 0.03= 3%**