

33. Correct. The answer is true. Your expected loss is the expected value of your load loss or $\sum P(X_i) * X_i$, where X_i is load loss for the three cases $X_1=0$, $X_2=5$, $X_3=6$, and $P(X_i)$ = the probability of load loss X_i written as a fraction. To compute, divide probabilities by 100 to change them to the fraction of the time there is load loss and compute.

$$E(X) = 0.91 * 0 + 0.03 * 5 + 0.07 * 6 = 0.57.$$