If X is the amount that you win, then

\[ P(X = 1.10) = \frac{4}{9} = 1 - P(X = -1) \]
\[ P(X = -1) = \frac{5}{9} \]
\[ E[X] = (1.1)\frac{4}{9} - \frac{5}{9} = -0.067 \]
\[ Var(X) = (1.1)^2\frac{4}{9} + \frac{5}{9} - (-0.067)^2 = 1.089 \]