

payoff $x_i$	density $f_X(x_i)$	$x_i \times f_X(x_i)$
\$0	0.9791658999	\$0.00000
9	0.0183025856	0.16457
85	0.0023667137	0.20117
1,500	0.0001604552	0.24068
18,000	0.0000043457	0.07822
Total		\$0.68464

**Table 2.3.** Average Payoff to a \$1 Wager on an 8 Spot Keno Ticket. The table computes the expectation  $\mathcal{E}X$  of the discrete random  $X(\omega) = \sum_{i=1}^5 x_i I_{F_i}(\omega)$  where  $F_i$  is the event "payoff= $x_i$ ". Table 2.3 is derived from Table 2.2.