

Goes against the Golden Rule

For someone to win, someone else must lose.
So in everything, do to others what you would have them do to you,
for this sums up the Law and the Prophets
(Matthew 7:12 NIV)



Addiction is Possible

Signs of Addiction:

- Always taking chances
- Never learn from defeats
- Can't stop when winning
- Risks too much, too soon, too quickly
- Suffers from pleasure / pain tension
- Adversely affects work, finances, and reputation



Motivation is Greed

Gambling seeks to get, not to give. You are a steward over the resources God has given you.
For the love of money is a root of all kinds of evil. Some people, eager for money, have
wandered from the faith and pierced themselves with many griefs.
(1 Timothy 6:10 NIV)

Breaks the Law of Work

Growth comes from diligent work. Gamblers want something for nothing.
The sluggard craves and gets nothing,
but the desires of the diligent are fully satisfied.
(Proverbs 13:4 NIV)



Leads to Corrupt Relationship

People who gamble are focused on this life, not eternity. They are not spiritually strong.
Store up for yourselves treasures in heaven... where thieves do not break in and steal. For
where your treasure is, there your heart will be also. "The eye is the lamp of the body."... If
then the light within you is darkness, how great is that darkness!
(Matthew 6:20-23 NIV)



Eats away Hope and Trust

And why do you worry about clothes? See how the lilies of the field
grow. They do not labor or spin. Yet I tell you that not even Solomon in
all his splendor was dressed like one of these.
(Matthew 6:27-29 NIV)



A primer on Casino Odds

Odds are based on the probability that any particular outcome will be the result of a given action. One outcome does not effect the next, but over time the occurrence of each result will average to its particular probability. Casinos stay in business by setting the payout average numbers slightly lower than the probabilities of a particular event. This is called the “HOUSE EDGE”.

Most casinos operate with a 2-4% edge. Here is how it works...

Basic Probability

Probability is most easily seen using coins. When flipped there is an equal probability of the coin landing on HEADS as it does landing on TAILS. So the odds of a particular outcome, say HEADS, is 1/2 or 50% on average.

Lets imagine a Casino game based on coin flipping. If the player flips two coins and gets HEADS on both, they double their bet. Otherwise they loose. There is a 25% chance of getting double HEADS, and a 75% chance of getting something else. So the house edge is figured as follows: Multiply the payout (return) by the probability (chance of return) for both winning and losing combinations and add the averaged returns. Since the average return is less than 1, the player will lose money. That difference is the HOUSE EDGE. In this case, the house will average 25% of every bet.

Result	Pay Out	Prabability	Average return
Win	2	0.25	0.50
Lose	-1	0.75	-0.75
Total		1	-0.25

Games of Chance

Dice have six sides, so probabilities are more difficult to calculate. When multiple dice are rolled, the probability of a given result is based on the combinations yielding that result related to the total number of combinations. So the probability of rolling a seven is 6 (number of ways to get a seven) divided by 36 (number of total combinations) = 6/36 or 16.67%. The probability of rolling a twelve is 1 divided by 36 = 2.78%

Craps

Two dice totals						
Die 1	Die 2					
	1	2	3	4	5	6
1	2	3	4	5	6	7
2	3	4	5	6	7	8
3	4	5	6	7	8	9
4	5	6	7	8	9	10
5	6	7	8	9	10	11
6	7	8	9	10	11	12

Craps is a game using two dice where payouts are based on the probability that a given total will be rolled. The game is complicated, but the most common bet is the “FIELD BET”. The FIELD BET pays 1:1 (even money) on blue numbers, 2:1 (double the bet) on the purple 2, and 3:1 (triple the bet) on the green 12. Note that there are 7 totals that win and only 4 that lose causing someone who doesn’t know better to

think it a good gamble. However, the HOUSE EDGE is 2.78%. In other words, no matter how “smart” the player tries to play, for every \$1 bet, they can expect to lose 2.78 cents.

Dice Roll	Pay Out	Prabability	Average return
2	2	0.0278	0.0556
3	1	0.0556	0.0556
4	1	0.0833	0.0833
5	-1	0.1111	-0.1111
6	-1	0.1389	-0.1389
7	-1	0.1667	-0.1667
8	-1	0.1389	-0.1389
9	1	0.1111	0.1111
10	1	0.0833	0.0833
11	1	0.0556	0.0556
12	3	0.0278	0.0834
Total		1	-0.0278

Slots

Slots are even more complicated. Each row has a wheel with between 6 and 30 images. Pay out rates for rair combinations are high in order to intice the gambler to keep playing. But most slot machines are programmed with a 6% HOUSE EDGE. The “Red White and Blues” example to the right has a HOUSE EDGE OF 13.5%. Keep in mind that the payout figures include the incredibly rair jackpot, so thousands of people will lose money before one “lucky” person pulls the lever.

Net Return for “Red White and Blues” slot machine				
Win	Pays	Combinations	Probability	Return
Red 7, white 7, blue 7	2400	1	0.000004	0.009155
Red 7, red 7, red 7	1199	3	0.000011	0.013721
White 7, white 7, white 7	200	42	0.000160	0.032043
Blue 7, blue 7, blue 7	150	42	0.000160	0.024033
Any 3 sevens	80	1199	0.004574	0.365906
1 bar, 2 bar, 3 bar	50	180	0.000687	0.034332
3 bar, 3 bar, 3 bar	40	210	0.000801	0.032043
2 bar, 2 bar, 2 bar	25	378	0.001442	0.036049
Any red, any white, any blue	20	113	0.000431	0.008621
1 bar, 1 bar, 1 bar	10	432	0.001648	0.016479
Any 3 bars	5	7977	0.030430	0.152149
Any 3 reds	2	335	0.001278	0.002556
Any 3 white	2	1036	0.003952	0.007904
Any 3 blues	2	756	0.002884	0.005768
Blank, blank, blank	1	32768	0.125000	0.125000
All other	0	216672	0.826538	0.000000
Total		262144	1.000000	0.865761

The Bottom Line

In order for one person to win, a lot of people have to lose. On top of that, the games are carefully calculated to give the Casino a healthy HOUSE EDGE. At the end of the day,

the Casino wins and everyone else loses.