

## The American Roulette Wheel

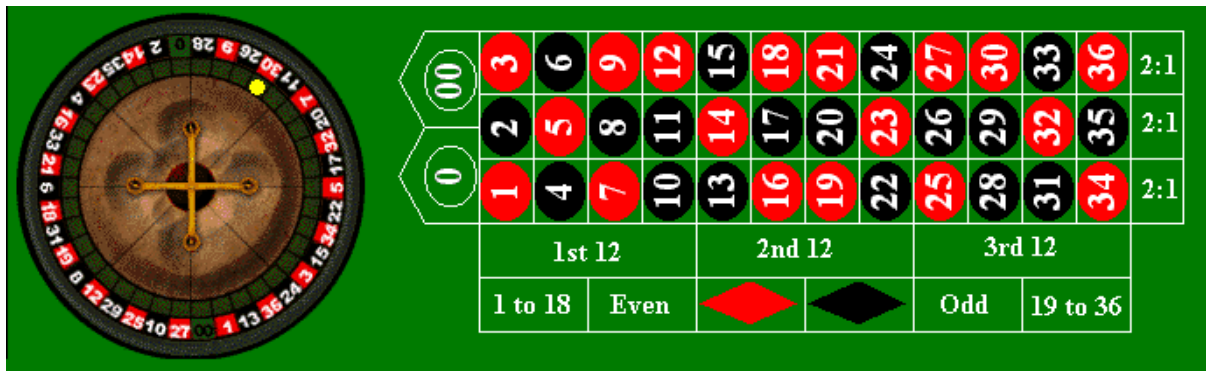
American roulette will be another common example in this chapter. Roulette is played by spinning a wheel and dropping a small ball onto the wheel, the winner is determined by which space the ball finally ends up in.

You should learn the composition of the wheel.

- There are 38 spaces total
- There are 2 green spaces, numbered 0 and 00.
- The remaining 36 spaces are numbered 1 – 36.
- Half of the spaces numbered 1 – 36 are black, the other half are red. ( $36 \div 2 = 18$  black spaces and 18 red)
- The 0 and 00 are always part of the sample space, but they do not count as low numbers (or even numbers) when placing a bet.



The Roulette Table looks like this:



To place a bet you put your chips/money on the board. To bet on a single number you place your chips on that number. To bet on two numbers, called a SPLIT, you place your chips on the line between the two numbers. You can only bet on two numbers that are neighbors. For example you can bet on the 1-2 split, but not 1 & 5 or 1 & 8. The other possible bets are:

- A three number Street
- A four number Square
- A group of 12 numbers, either a column or section
- The Low Numbers: 1 – 18 (don't include 0 or 00)
- The High Numbers: 19 – 39
- The Even Numbers: 2, 4, 6, ... , 36 (don't include 0 or 00)
- The Odd Numbers: 1, 3, 5, ... , 35
- The Red Numbers
- The Black Numbers
- A five number Line
- A six number Line