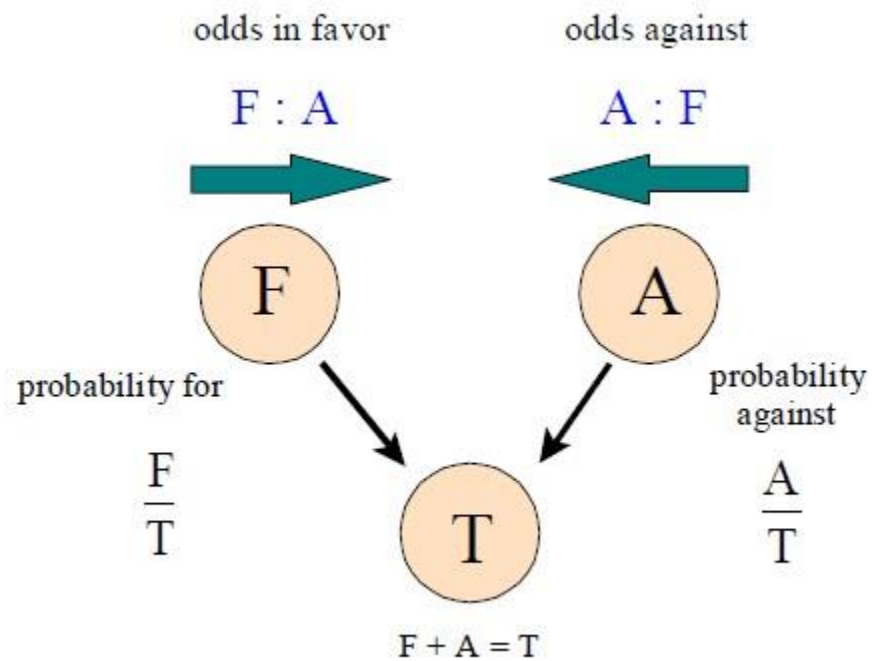


The Odds and Probability Triangle



The FAT method

- The F stands for the number of outcomes in favor.
- The A stands for the number of outcomes against.
- The T stands for the total number of outcomes.

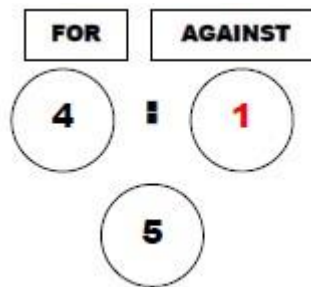
Examples 1:

The probability that the 'Noles will win Saturday's game is 0.8. What are the odds they will lose?

Solution: Rewrite the probability "for winning" as a fraction in simplest form

$$0.8 = \frac{8}{10} = \frac{4}{5}$$

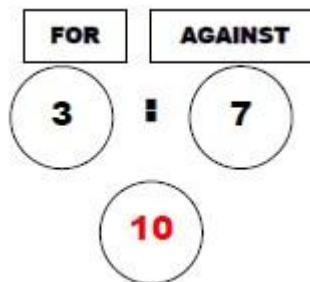
Place the 4 and the 5 in the proper position in the circles. Complete the missing part of the triangle set. The two numbers across have to add up to the total number, 5. In this case, $4+1=5$. Think of the odds of they losing as "against winning," from right to left 1:4.



Example 2:

The odds that Gators will lose the Sugar bowl are 7 to 3. What is the probability they will lose?

Solution: Place the 7 and the 3 in their proper position in their circle. Note that the odds for losing are stated in terms of "against winning." Complete the missing part of the triangle; in this case, $7+3=10$.



Think of the probability of losing as "against winning," and write it as a fraction in simplest form: $7/10$