To calculate the multiplier for a betting platform, you need to understand the probability of the event and how the house edge impacts the multiplier. Let's break it down step-by-step.

Step-by-Step Calculation:
We are only calculating by keeping eye on **winning probability.**

1. Understand the Probabilities :
   For a *50-50* chance, the probabilities are:
   a. Winning probability = *50% = 0.50*
   b. Losing probability = *50% = 0.50*

2. Ideal Multiplier Without House Edge :
   a. For winning probability (*0.50*):
      i. *Ideal multiplier = 1/0.50 = 2*
3. House Edge:
   a. House Edge = *1% of Ideal Multiplier = (Ideal Multiplier * 0.01)*
      i. *House Edge = 2 * 0.01 = 0.02*
4. Multiplier After House Edge:
   a. Multiplier = *Ideal Multiplier - House Edge*
      i. *Multiplier = 2 - 0.02 = 1.98*

5. Understand the Probabilities :
   For a *40-60* chance, the probabilities are:
   a. Winning probability = *40% = 0.40*
   b. Losing probability = *60% = 0.60*

6. Ideal Multiplier Without House Edge :
   a. For winning probability (*0.40*):
      i. *Ideal multiplier = 1/0.40 = 2.50*
7. House Edge:
   a. House Edge = *1% of Ideal Multiplier = (Ideal Multiplier * 0.01)*
      i. *House Edge = 2.50 * 0.01 = 0.025*
8. Multiplier After House Edge:
   a. Multiplier = *Ideal Multiplier - House Edge*
      i. *Multiplier = 2.50 - 0.025 = 2.475*