

Weekly Study Session





- POT ODDS:
- THE MOST IMPORTANT MATH IN POKER
- DADS CRUSH POKER
- Friday Live Study Session



- WHAT ARE POT ODDS?
- Pot odds tell us:
- How often we need to win to make a profitable call.
- Every poker decision eventually comes down to:
- Risk vs Reward



- Pot = \$100
- Villain bets \$50
- Pot becomes:
- \$150
- You must call:
- \$50
- To win:
- \$200
- Question:
- How often do we need to win?



- THE FORMULA
- Call Amount
- $\div$
- (Pot + Bet + Call)
- Example:
- 50
- $\div$
- 200
- =
- 25%



THE GOLDEN CHART

Memorize this.

Bet Size	Equity Needed
25% Pot	16.7%
33% Pot	20%
50% Pot	25%
75% Pot	30%
Pot	33%
150% Pot	40%
200% Pot	43%



- FLUSH DRAW EXAMPLE
- Flop:
- A♠ 8♠ 3♦
- You have:
- K♠ Q♠
- 9 outs (9 outs X 4 = 36%) (on turn 9 outs X 2 = 18%)
- Approximately:
- 35% equity

with two cards to come.





- CAN WE CALL?
- Pot = \$100
- Villain bets \$50
- Remember golden chart – 50% pot we need 25% equity to call
- Need:
 - 25%
- We have:
 - 35%
- Easy call.



Test Time!

- Pot = \$100
- Villain bets Pot (\$100)
- What percent equity do we need to call?
- You have:
- Flush draw
- One card to come
- Equity % is ?
- Call or Fold?



- It is a FOLD!!
- Lets go over common equities:
- COMMON EQUITIES
- Open Ender
- 8 outs – (example 5,6,7 we need a 4 or 8 there are 4 4's and 4 8's left in the deck so 8×4 on the flop = 32%)
- Flop $\approx 32\%$
- Turn $\approx 16\%$
-
- Flush Draw (we have 2 same suit, 2 on board our suit. 13 cards per suit. 9 left)
- 9 outs
- Flop $\approx 36\%$
- Turn $\approx 18\%$
-
- Two Overcards (we have QJ we need a queen or jack to come 3 left each so 6×4 on flop is 24%)
- $\approx 24\%$
- Turn = 12%



- TOURNAMENT PLAYERS GET THIS WRONG
- Chip EV
- $\neq$
- Tournament EV
-
- Just because pot odds say call
- does NOT mean
- ICM says call.



- BUBBLE EXAMPLE
- 100 players
- 99 paid
- You have 20 BB
- Villain jams
- Pot odds say call
- ICM says fold
- Why?
- Because survival has value.



Final Exam!!

- Flop
- Pot: \$100
- Board:
- K♠ 9♠ 4♦
- Hero:
- A♠ J♣
- Villain bets: \$75

First Question

What do we have?

✓ Nut flush draw

No.

You only have the Ace of spades.

You need two spades to come!

Actually you have:

- Overcard (Ace)
- Backdoor straight possibilities
- Backdoor flush possibilities
- Ace-high

Many newer players incorrectly think:

"I have the Ace of spades, I'm drawing."

Remember golden chart!

Villain bets 75% pot we need 30% to call.

Against a reasonable Kx hand:

KQ

KT

KJ

etc.

Your equity is only around:

20-25%

Not enough.

The Answer

Despite having:

- Ace high
- Ace of spades
- Position

You should usually:

FOLD





"The goal isn't to win every pot. The goal is to make the highest EV decision."
— Phil Galfond

- Call to action this week!
- Use this at the table!! Focus on pot odds and equity.
- It is either a profitable call or not let's start hammering this!