

# Pre-Flop Break-Even Math Cheat Sheet

Break-Even Formula:

$$\text{Break-Even \%} = \text{Risk} / (\text{Risk} + \text{Current Pot})$$

## Cash Games

### Stealing the Blinds

Open Size	BE % (blinds must fold)
2bb	57%
2.5bb	63%
3bb	67%
4bb	73%

### Calling an Open Raise IP (blinds only)

Open Size	BE % (equity needed)
2bb	36%
2.5bb	38%
3bb	40%
4bb	42%

### Calling an Open Raise in SB (blinds only)

Open Size	BE % (equity needed)
2bb	30%
2.5bb	33%
3bb	36%
4bb	39%

### Calling an Open Raise in BB (blinds only)

Open Size	BE % (equity needed)
2bb	22%
2.5bb	27%
3bb	31%
4bb	35%

### 3x 3bet vs open raise (blinds only)

Open Size	BE % (opener must fold)
2bb	63%
2.5bb	65%
3bb	67%
4bb	69%

### 4x 3bet vs open raise (blinds only)

Open Size	BE % (opener must fold)
2bb	70%
2.5bb	71%
3bb	73%
4bb	74%

## Tournaments

### Stealing the Blinds & Antes

Open Size	BE % (blinds must fold)
2bb	44%
2.5bb	50%
3bb	55%
4bb	62%

### Calling an Open Raise IP (blinds & antes)

Open Size	BE % (equity needed)
2bb	31%
2.5bb	33%
3bb	35%
4bb	38%

### Calling an Open Raise in SB (blinds & antes)

Open Size	BE % (equity needed)
2bb	25%
2.5bb	29%
3bb	31%
4bb	35%

### Calling an Open Raise in BB (blinds & antes)

Open Size	BE % (equity needed)
2bb	18%
2.5bb	23%
3bb	27%
4bb	32%

### 3x 3bet vs open raise (blinds & antes)

Open Size	BE % (opener must fold)
2bb	57%
2.5bb	60%
3bb	62%
4bb	65%

### 4x 3bet vs open raise (blinds & antes)

Open Size	BE % (opener must fold)
2bb	64%
2.5bb	67%
3bb	69%
4bb	71%

