Craps Odds & House Edge

The chance of every total with two dice, and the house edge of the main bets

Totals with two dice

Total	Ways	Chance	%
2	1	1/36	2.78%
3	2	2/36	5.56%
4	3	3/36	8.33%
5	4	4/36	11.11%
6	5	5/36	13.89%
7	6	6/36	16.67%
8	5	5/36	13.89%
9	4	4/36	11.11%
10	3	3/36	8.33%
11	2	2/36	5.56%
12	1	1/36	2.78%

House edge of the bets

Bet	Pays	House edge
Pass line / Come	1 to 1	1.41%
Don't pass / Don't come	1 to 1	1.36%
Odds (behind pass or don't pass)	True odds	0%
Place 6 or 8	7 to 6	1.52%
Place 5 or 9	7 to 5	4.00%
Place 4 or 10	9 to 5	6.67%
Field (2 pays 2 to 1, 12 pays 3 to 1)	1 to 1	2.78%
Field (2 and 12 pay 2 to 1)	1 to 1	5.56%
Big 6 / Big 8	1 to 1	9.09%
Hard 6 or 8	9 to 1	9.09%
Hard 4 or 10	7 to 1	11.11%
Any craps (2, 3 or 12)	7 to 1	11.11%
Eleven (yo)	15 to 1	11.11%
Any seven	4 to 1	16.67%

How to read it. Two dice give 36 equally likely combinations. Seven is the most common total (6 ways in 36), which is why the 7 ends most bets. The lowest house edge comes from pass / don't pass plus the odds bet, which pays true odds and has no edge at all. The one-roll bets in the middle of the table (any seven, any craps, eleven) pay big but cost far more in the long run. No betting system changes these numbers.

House edge = average loss per bet, as a share of the amount bet. Hardway figures are per bet resolved (pushes are not counted); don't pass is shown per bet made, with 12 as a push. Payouts are the standard ones: check the rules at your table, they can differ.