From a table you obtained by rolling a 6-sided die find out, if the die is fair (N=36).
Use chi-2 test with the usual significance level.

#	observed	expected	o-e	(o-e)*(o-e)	(o-e)*(o-e)/e
1	**1**	6	-5	25	4.166666667
2	**5**	6	-1	1	0.166666667
3	**9**	6	3	9	1.5
4	**2**	6	-4	16	2.666666667
5	**7**	6	1	1	0.166666667
6	**12**	6	6	36	6

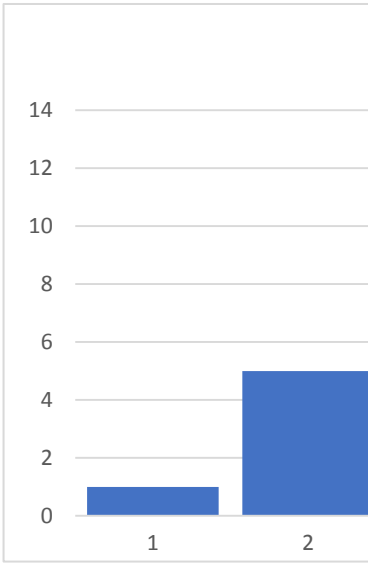
36

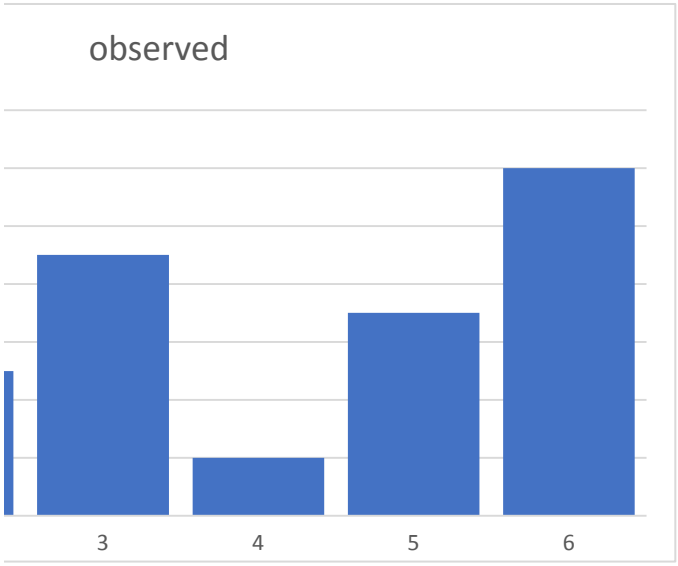
$$\chi^2 = \sum_{i=1}^{k} \frac{(O_i - E_i)^2}{E_i}$$

null hypothesis	the die is fair, obersved value=6
alternative hypothesis	the die is not fair,oberved value≠6

sum:

14.66666667




observed
3
4
5
6