	А	В	С	D	E	F	G	Н	I
1	A dice is rolled 1024 times and face six is observed 160 times. Test at 7% of significance,								
2	whether th	ne dice is u	nbiased or	not.					
3									
4	Solution :- Here , we have								
5		Sample size(n)=		1024					
6		No of Six faces (x)=		160					
7		Sample prop.(p)=		0.15625	=D6/D5				
8		Pop.Prop(P) =		0.166667					
9			Q=	0.833333					
10	Here, we se			et up Hypothesis as					
11	H0 : P = 1/		6 i.e.	Dice is unbiased					
12		H1 : P ≠ 1/		6i.e.	Dice is biased				
13		Under H ₀ Test statis		tic					
14			S.E.(x*)=	0.011646	=SQRT(D8*D9/D5)				
15			Z _{cal} =	-0.89443	=(D7-D8)/D14				
16		Z _{cal} =		0.894427	=ABS(D15)				
17		Level of sig.(α) =		0.07	0.05				
18			Z _{tab} =	1.811911	=NORMSINV(1-D17/2)				
19			Decision:- Since, Zcal $<$ Ztab , we accept H_0 and reject H_1 with the						
20	conclusion that			that Dice i	e is Unbaised				
21									
22		Name: Par			ash Bista				
23									