

=SUM(

	DARK	STRAWBERRY	VANILLA	RowTotal
MALE	38	53	30	121
FEMALE	14	34	40	88
ColTotal	52	87	70	209

=SUM(

	DAIRYMILK	KITKAT	MILK	RAWTOTAL
MALE	12	18	35	65
FEMALE	17	15	14	46
CoTotal	29	33	49	111

= (

	DARK	STRAWBERRY	VANILLA
MALE	30.10526316	50.36842105	40.52632
FEMALE	21.89473684	36.63157895	29.47368

= ( \* ) /

	DAIRYMILK	KITKAT	MILK
MALE	7.5765766	19.32432	28.69369
FEMALE	12.018018	13.67568	20.30631

(O-E)^2/E

	DARK	STRAWBERRY	VANILLA
MALE	2.070298123	0.137491063	2.734108
FEMALE	2.846659919	5.319309245	3.759398

= ( - ) ^2

	DAIRYMILK	KITKAT	MILK
MALE	19.566675	1.753835	39.7695
FEMALE	24.820144	1.753835	39.7695

X2  
D.O.F  
pvalue

16.86726484
2
0.00021743

X2	127.4335
D.O.F	2
PVALUE	2.13E-28