II. This is Darin's page 42 study of customer age and making a sale. Test at the .05 level whether customer age and making a sale are independent. People using statistics software do not need to fill out the chart.

Customer Age and Making A Sale

Customer Age Making A Sale	Less than or equal to 20	Over 20	Totals
No	16	8	24
Yes	24	12	36
Totals	40	20	60

Contingency Table of Customer Age and Making A Sale

Customer Age Making A Sale	Less than or equal to 20		Over 20		Totals	
	f_o	f_e	f_o	f_e	f_o	f_e
No	16		8			
Yes	24		12			
Totals	40		20			

Note: Tests similar to those conducted here can be used as follows:
A. Test observed data to see if it follows a normal probability distribution.
B. Test observed data to see if it follows a Poisson probability distribution.
C. These tests are easy to perform with statistics software.