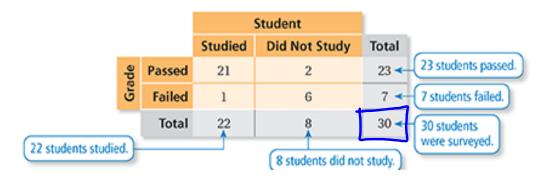


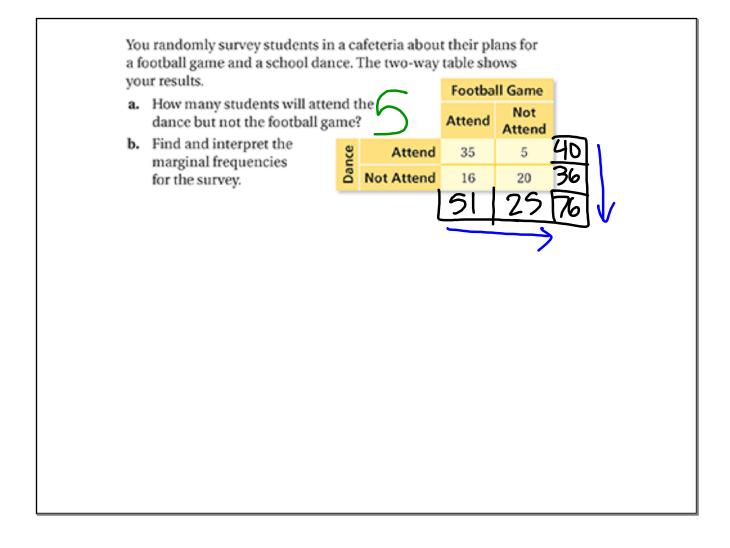
When we talk about two-way tables we often talk about two ideas
being correlated .
Correlation is the relationship between variables. If it
seems like as one variable ((((((((((((((((((((((((((((((((((((
the two variables are <u>Positive</u> correlated. If it seems like as one variable <u>decreasing</u> the other <u>increasing</u>
If it seems like as one variable decreasing the other increasing
then there is a <u>Negative</u> correlation.
If there seems to be no relationship at all then they are
correlated.

The total frequencies. Marginal frequencies.

Reading a two-way table:



- 1. How many students studied and passed the test?
- 2. How many students <u>studied and failed</u> the test?
- 3. How many students <u>did not study and passed</u> the test?
- 4. How many students did <u>not study and failed</u> the test?
- 5. What percentage of students studied and passed the test? Studred+passed 21 = 0.70 = 70.70
- 6. What percentage of students did not study and failed the test? $\frac{6}{30} = .2 = 20\%$



<u> </u>										
	Conditioner use			oner use]					
			Use	Don't use]					
			conditioner	conditioner						
	Gender	Male	15	23	Total 38					
		Female	14	1	15					
		Total	29	24	53					

1-	What percent	of the g	group is	male?
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- 2- What percent of the group is males that used conditioner? What percent of males use conditioner?
- 3- What percent of the group uses conditioner?
- 4- What percent of the females use conditioner?

 $\frac{14}{15} = \frac{93}{93} = 93\%$

- 5-Which group has a higher percentage using conditioner?

 Malos 39 / Females: 93%
- 6- Are there more males or more females that use conditioner? $\mathcal{M} \mathcal{A} \mathcal{Q} \mathcal{S}$
- 7- Do you think there is a correlation between conditioner use and being female? (40)

