

Two-way frequency table

	School Play	
	Attend	Not Attend
Class		
Junior	37	33
Senior	34	54

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A marine biologist measures the monthly growth (in centimeters) of coral that are found both inside and outside the lagoon of an island. The data are organized in the two-way table shown. Is there an association between coral growth and location?

Location	Coral Growth (centimeters)			
	0.01-0.29	0.30-0.49	0.50-0.69	0.7-0.99
Inside	22	28	31	23
Outside	20	31	34	21

- There appears to be an association with lesser growth occurring inside the lagoon.
- There appears to be an association with greater growth occurring outside the lagoon.
- There appears to be an association with greater growth occurring inside the lagoon.
- There does not appear to be an association between growth and location.

Use the two-way table to match each description with its value. Use each value, rounded to the nearest percent, only once.

How You Look Up Spelling Words	Age		
	15-21	35-41	
	136	50	
Spelling Words	Online	Dictionary	
	20	66	

- a. 18% d. 31%
b. 43% e. 57%
c. 77%

percent of 35-41 year olds in the survey that look up spelling words online

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given that a person looks up words in a dictionary, the conditional relative frequency that he or she is 35-41 years old

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