

TODAY'S AGENDA: January 4

- Work on Khan Academy Mission:
 - > Two-Way Tables
- Today's Objective: Large-Group Lesson
 - > Students will be able to Read and Complete Two-way Frequency Tables
- Today's Standard:
 - > Summarize, represent and interpret data on a single count or measurement variable.

Gonzalez, Evelyn

R Alvarado, Meilin

R Cordero, Deanna

R fields,jaylin

R ford,jazmin

R Goff Acosta Delyn

R Houellemont, M...

R ortiz, alex

R paige,eric

R Alvarado, Meilin

R Brisport, Nubia

R angel archundia

R charles,edens

R ford,jazmin

R Cordero, Deanna

R Francis, Krystal

R fields,jaylin

R Henriquez , Val...

R Goff Acosta Delyn

R Luna,Yaritza

R Houellemont, M...

R Marjieh,Issa

R lopez,ashely

R Wilson,Rachel

R ortiz, alex

Santana, Larimar

R paige,eric

R Whyte, Tajay

Two-Way Frequency Tables

Two-Way: up/down left/right
 column rows

Frequency: How many times
 something happens.

Researchers surveyed recent graduates of two different universities about their income. The following two-way table displays data for the sample of graduates who responded to the survey.

How many graduates from University A had an income under \$20,000?

35 graduates

Income	University A	University B
Under \$20,000	35	40
\$20,000 to \$39,999	90	63
\$40,000 and over	35	37

A university surveyed its students on their opinions of campus housing. The following two-way table displays data for the sample of 200 students who responded to the survey.

How many students in this sample had a negative opinion of campus housing?

92 students

Gender	Positive opinion	Negative opinion	Neutral opinion
Male	40	36	14
Female	42	56	12

Total 92

Romain knows the following information about the 32 classes he took in high school:

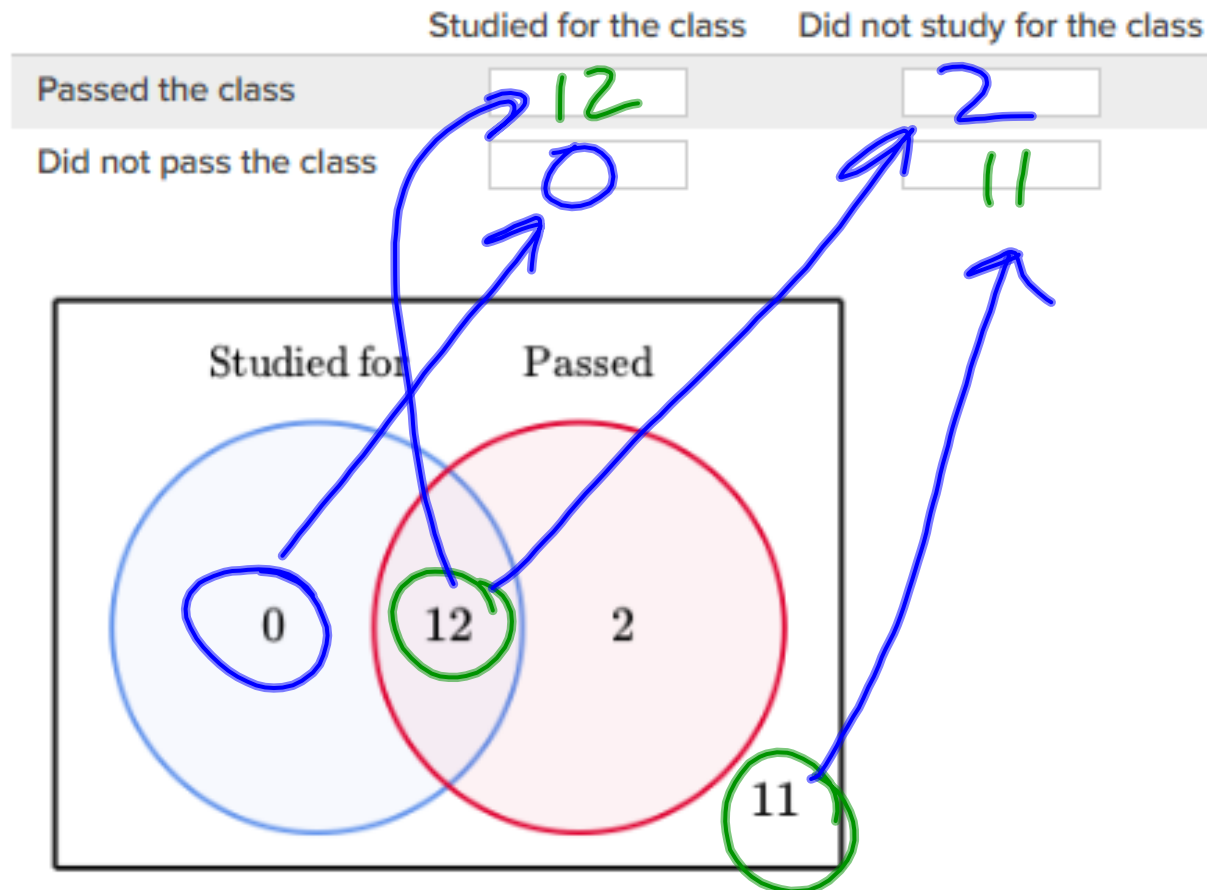
- ✓ He studied for but did not pass 3 classes.
- ✓ He passed 27 classes in total.
- ✓ He studied for 26 classes in total.

Can you help Romain organize the results into a two-way frequency table?

	Studied for the class	Did not study for the class	Row Total
Passed the class	23	4	27
Did not pass the class	3	2	5
Column Total	26	6	32

Stan took 25 classes during college. The Venn diagram below shows classes Stan studied for, classes Stan passed, classes Stan both studied for and passed, or neither.

Complete the following two-way frequency table.



Manon knows the following information about a group of 13 professional golfers:

- ✓ 9 golfers have both practiced for at least 10,000 hours and won a major.
- ✓ 10 golfers in total have practiced for at least 10,000 hours.
- ✓ 10 golfers in total have won a major.

Can you help Manon organize the results into a two-way frequency table?

	Have practiced for at least 10,000 hours	Have not practiced for at least 10,000 hours	
Have won a major	<input type="text" value="9"/>	<input type="text" value="1"/>	Total
Have not won a major	<input type="text" value="1"/>	<input type="text" value="2"/>	10
Total	10	3	13