

TODAY'S AGENDA: January 12

- Work on Khan Academy Mission:
 - > Two-Way Tables
- Today's Objective: Large-Group Lesson:
 - > Relative Frequency Tables
 - > Complete:
 - Reading Two-Way Relative Frequency Tables
 - Two-Way Relative Frequency Tables
 - > 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.

R Francis, Krystal

R Marjieh, Issa

R Whyte, Tajay

lopez, ashely

Luna, Yaritza

Tejada, Thays

R Alvarado, Meilin

R charles, edens

R Cordero, Deanna

R ford, jazmin

R Goff Acosta Delyn

R Houellemont, Mey...

R ortiz, alex

R paige, eric

fields, jaylin

R Henriquez, Valent...

R Luna, Yaritza

angel archundia

Francis, Krystal

R Alvarado, Meilin

R Brisport, Nubia

R Cordero, Deanna

R fields, jaylin

R ford, jazmin

R Goff Acosta Delyn

R Houellemont, Mey...

R lopez, ashely

R Marjieh, Issa

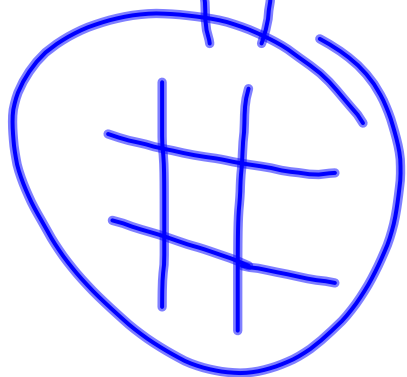
R ortiz, alex

R paige, eric

R Whyte, Tajay

Frequency -vs- Relative Frequency

of things
of times
Something
happens



percents
as decimals



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.

Approximately what percent of graduates from University A have an income under \$30,000?

Round your answer to the nearest percent.

22 %

Income	University A	University B	TOTAL
Under \$30,000	35	40	75
\$30,000 to \$59,999	90	63	153
\$60,000 and over	35	37	72
TOTAL	160	140	300

$$\frac{35}{160}$$

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.

What percent of students in this sample had a positive opinion of campus housing?

Round your answer to the nearest percent.

41 %

Gender	Positive opinion	Negative opinion	Neutral opinion	TOTAL
Male	40	36	14	90
Female	42	56	12	110
TOTAL	82	92	26	200

$$\frac{82}{200}$$

Teams in the National Football League in America are divided into two conferences: the AFC and the NFC. Some teams have animals as their mascots, and others do not. The following two-way table displays this data.

Approximately **what percent of teams** have a **non-animal mascot?**

Round your answer to the nearest percent.

%

Mascot	AFC	NFC	TOTAL
Animal	7	8	15
Non-animal	9	8	17
TOTAL	16	16	32

$$\frac{17}{32}$$

The two-way frequency table below shows data on a student's performance on a math test and that student's gender for students in Ms. Matchenbacker's class.

Complete the following two-way table of column relative frequencies.

(If necessary, round your answers to the nearest hundredth.)

Frequency Table

	Pass	Fail
Female	42	15

Male 14 5

Relative Frequency Table

	Pass	Fail
Female	<input type="text" value=".75"/>	<input type="text" value=".75"/>
Male	<input type="text" value="+.25"/>	<input type="text" value="+.25"/>
Column total	1.00	1.00

The two-way frequency table below shows data on whether medicine was taken and cold length for participants in a study conducted by The Cold Be Gone Company.

Which of the following are valid conclusions?

Select all that apply.

☒ Of the participants who took the medicine, 27 of them had their cold for 7 days or longer.

☒ A total of 25 participants in the study took the medicine.

☐ None of the above

	Medicine taken	Medicine not taken
Cold length 7 days or longer	6	27
Cold length less than 7 days	19	12

25

The two-way frequency table below shows data on mindset and high school GPA for students in Mateus's study.

Complete the following two-way table of row relative frequencies.

(If necessary, round your answers to the nearest hundredth.)

	Growth mindset	Fixed mindset
GPA above 3.0	28	12
GPA at or below 3.0	9	58

	Growth mindset	Fixed mindset	Row total
GPA above 3.0	<input type="text"/>	<input type="text"/>	1.00
GPA at or below 3.0	<input type="text"/>	<input type="text"/>	1.00

The two-way frequency table below shows data on a student's performance on a math test and that student's gender for students in Ms. Matchenbacker's class.

Complete the following two-way table of row relative frequencies.
(If necessary, round your answers to the nearest hundredth.)

	Pass	Fail
Female	42	15
Male	14	5

Complete the following two-way table of row relative frequencies.
(If necessary, round your answers to the nearest hundredth.)

	Pass	Fail	Row total
Female	<input type="text"/>	<input type="text"/>	1.00
Male	<input type="text"/>	<input type="text"/>	1.00