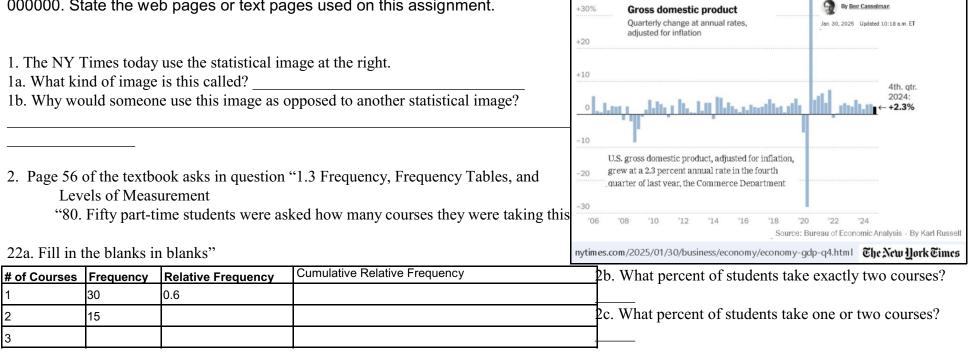00.By my initials, I swear no one has helped me & I have helped no one and I have not used artificial intelligence with this test. _____
000.My email address is : _____
0000. Print the test. Write work/answers on the test. Produce a digital copy. Rename it using ###.First.Last.T1 etc.
Attach it to email & send to green@mathnstuff.com or yellow@mathnstuff.com.
00000. Write your ###.Firstname.Lastname.T1.pg_ on each page or THAT PAGE WILL NOT BE GRADED!!!
000000. State the web pages or text pages used on this assignment.

1. The NY Times today use the statistical image at the right.
1a. What kind of image is this called? _____
1b. Why would someone use this image as opposed to another statistical image?

_____
_____

2. Page 56 of the textbook asks in question "1.3 Frequency, Frequency Tables, and
Levels of Measurement
"80. Fifty part-time students were asked how many courses they were taking this

Gross domestic product
Quarterly change at annual rates, adjusted for inflation
By Ben Casselman
Jan. 30, 2025 Updated 10:18 a.m. ET

4th. qtr. 2024: ← +2.3%

U.S. gross domestic product, adjusted for inflation, grew at a 2.3 percent annual rate in the fourth quarter of last year, the Commerce Department

Source: Bureau of Economic Analysis · By Karl Russell

nytimes.com/2025/01/30/business/economy/economy-gdp-q4.html The New York Times

22a. Fill in the blanks in blanks"

# of Courses	Frequency	Relative Frequency	Cumulative Relative Frequency
1	30	0.6	
2	15		
3			

2b. What percent of students take exactly two courses?
_____

2c. What percent of students take one or two courses?
_____

3. Below are the headings on the real estate sample from last week. In each box label the category of data.

3a.	3b.	3c.	3d.	3e.	3f.	3g.	3h.	3i.	3j.	3k.
list price	street location	municipality	zip code	# bedrooms	# baths	# sq. feet	lot size	special feature	date	source

4. Use the random number generator on the Friday, 1/31 web page.

4a. List 10 numbers in the order in which they were generated.

4b. Order your data in the traditional manner.

4c. Draw a stem-and-leaf diagram for the data.

4d. Determine Q2, the 50th percentile. _____

4e. Determine Q1, the 25th percentile. _____

4f. Determine Q3, the 75th percentile. _____

4g. Determine Q2, the 50th percentile. _____

4h. Determine inner quartile range. _____

4i. Draw a labeled box-and-whisker plot. _____

4j. Follow the notes on page 100 of the text and compute the 90th _____ percentile.

5. Compute the mean for the following frequency table. You are free to use a calculator but also state in pencil/pen the required computation .

Grade ranage	frequency
99.5 to 89.5	4
89.5 to 79.5	3
79.5 to 69.5	6
69.5 to 60.0	7
60 to 0	5