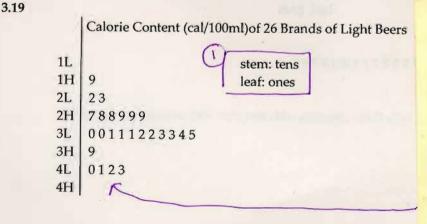
```
318
                                                                                                                                                                                                                                                   41.0
2000
                                               13,19
                                                                                                                                                                                                                                                                            30 HW
                                                                                               CONTENT BETWEEN 27 AND 35 CALLIDO
                                                                                                                                                                                                                                                   BACK OF
                                                                         4 BRAJOS
                                                                                   4 BRANDS HAVE HICHER
                                                                                                                                                                                                                            CALORIE CONTENT
                                                                                                                                                                                                                                                                          3.17-3.19, 3.21, 3.23 (SECTION 3.2)
                                                                                                                                                                                                               (CAL / 100 mL)
                                                                                                                                                                           37889
                                     BACK
                                                                                                                                                                                                                                                     BOOK
                                                                          4AU8
                                     ch
Ch
                                        BOOK
                                                                           LOWER (
                                                                                                                                                                33 4 59
                                                                                                  27 AND 35 CAL/ 100 ml
                                                                            19 -23 CAL/ 100 ml)
                                                                                        39-43
                                                                                                                                                                               STEM: TENS
                                                                                                                                                                   LEAF : ONES
                                                                                          Cc//loami
```

Page 1 ch

13B ODD ANSWERS

- 3.17 a 2.2 liters/min.
 - b In the row with stem of 8. The leaf of 9 would be placed to the right of the other leaves.
 - c A large number of flow rates are between 6.0 and 8.0. Perhaps 6.9 or 7.0 could be selected as a typical flow rate.
 - d There appears to be quite a bit of variability in the flow rates. While there are a large number of flow rates in the 6.0 to 9.0 range, the flow rates appear to vary quite a bit in relation to one another.
 - e The distribution is not symmetric. Taking 7.0 as a typical value, the smaller flow rates are spread from 2.2 to 7.0, while the larger flow rates are spread from 7.0 to 18.9 (a larger spread).
 - f The value 18.9 appears to be somewhat removed from the rest of the data and hence is an outlier.



TEACHER NOTES

I YOU MUST PROVIDE A

LABEL FOR STEM/LEAF.

IN NUMBER ARE IN ORDER,

NO COMMA'S,

NUMBERS ARE LINEDUP.

STEM PLOT

```
7 5 stem: tens leaf: ones 9 0011112234444555555556677777777888888899 10 0
```

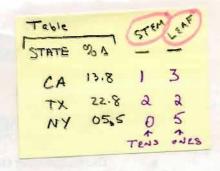
Most counties in California have over 90% of their teachers fully credentialed. Los Angeles County is the lowest with only 75% and Alpine is the only County where 100% of their teachers are fully credentialed.

```
b
     % of fully credentialed teachers in CA counties
7L
7H
      5
                                   stem: tens
8L
      0334
                                   leaf: ones
8H
      5555567888899
91.
     0011112234444
9H
     555555566777777778888899
10L 0
```

We can now see that there are only three counties with less then 85% of their teachers fully credentialed.

3.23 a

```
% increase in population 1990 to 2000
0 013444555567888899999
1 0000001123444578
2 00113368
3 01
4 0
5
```



b

48 of the states have an increase in population of 31% or less, and most of these are under 12%. There are two states that have a much larger %increase: Nevada (66%), and Arizona (40%)

c

```
% increase in population 1990 to 2000
WEST
                               EAST
    998880
                  134445555678999
       4430
              1
                  0000011244578
    (8)3100
              2
                  136
              3
              4
                            stem: tens
              5
                             leaf: ones
```

The States that show a large % increase in population are in the West. There are 5 states in the West (out of 19) that has a % increase greater than the maximum increase in the East.

36 HW

3.25, 3.26, 3.28, 3.39 (SELTION 3.3)

[3.25]A

ALZHEIMER'S (ADL) IMPARMENTS

NIM BEL OF IMPAILMENTS	FREWENIY	Pleanity
0	100	.4167
1	43	.1772
2	36	,1506
3	17	,070% MATE:
4	24	. I DOO / MUST GOIL
5	9	.0375 YDECIMAL
6	11	, 44.58 TO THINK
	n = 240	1,0000 to 1.

(1167+.1792 + 1500)

[C] MORE THAN Z IMPALEMENTS = (254) (1-,7459)

[AT LEAST 4 IMPAILMENTS = (1833) (1000+10375+,0458)

E THE FREQUENCY AND RELATIVE FREQUENCY TENDETO DECREASE AS THE NUMBER OF IMPAIRMENTS INCREASE. C

Page.

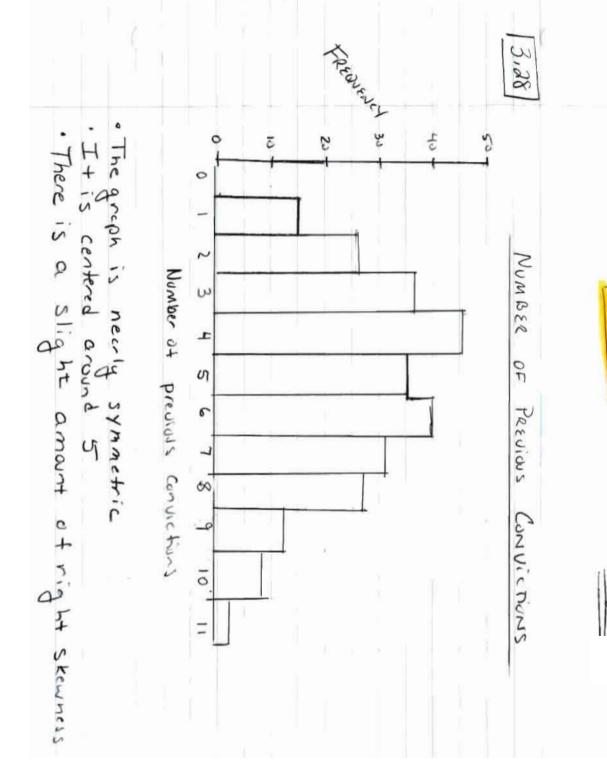
IN TAKE (in milligrems) 26 A RELATIVE FREWVENCY CLASS INTERVALS FREQUENCY 3-46 2 .050 6-69 11 .275 9-412 16 . 4 00 12-415 1125 15-218 .100 18-421 .050 1.000 TOTAL

BETWEEN 6 AND 15 - [.8] (.05+,275+.4+,122)

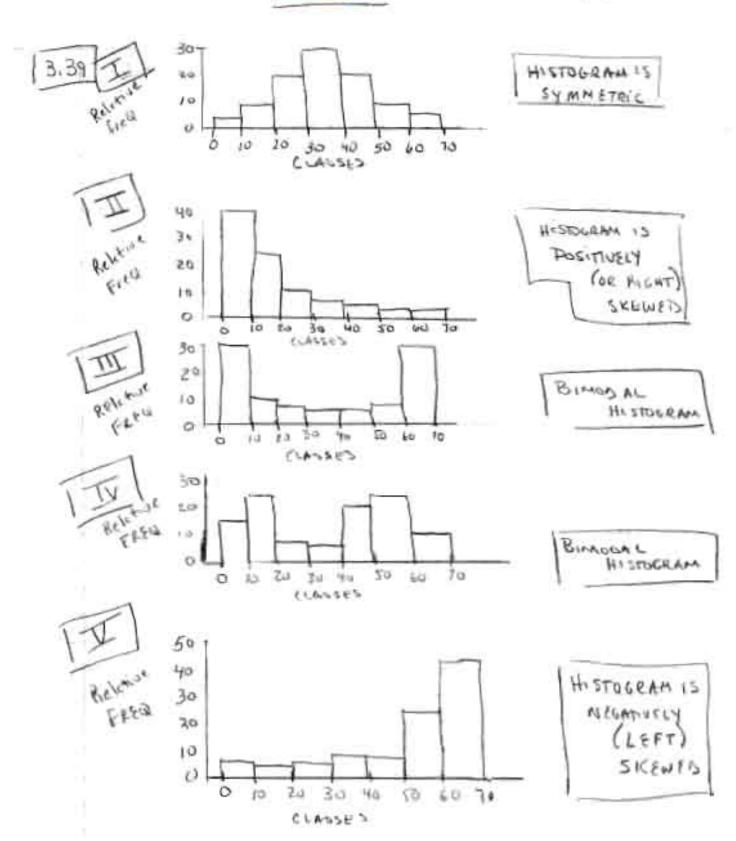
ZINC IN TAKE (mg) for
Arthritis Petients

M
12
10
8
6
4
2
0
3
6
9
12
15
18
21

· Most patients take between good 12 mg.
· Of the 40 patients only 2 take less
than 6mg and only 2 take mure than
2 mg ZINC



3 B CONT



13.30

Total Length of Streets within Subdivision (NO UNIT OF MEASURE GIVEN) A CAUSE WATER CITY I EAF STEM VIEW PROPERTY. 12333455599 0012223468 STEM! THOUSANDS CABRONHI: 7A31 23778 · SHAPE IS NOT PERFECTLY SYMMETRIC AND SKEWED TO THE HICHER LENGTHS (A POSITIVE/ RIGHT 5 KEW) · OUTLIERS THERE ARE NO GAFS OR OUTLIERS · CENTER IS IN THE STEM Z ROW AND 15 ABOUT 2,100. · SPREAD IS TIGHT.

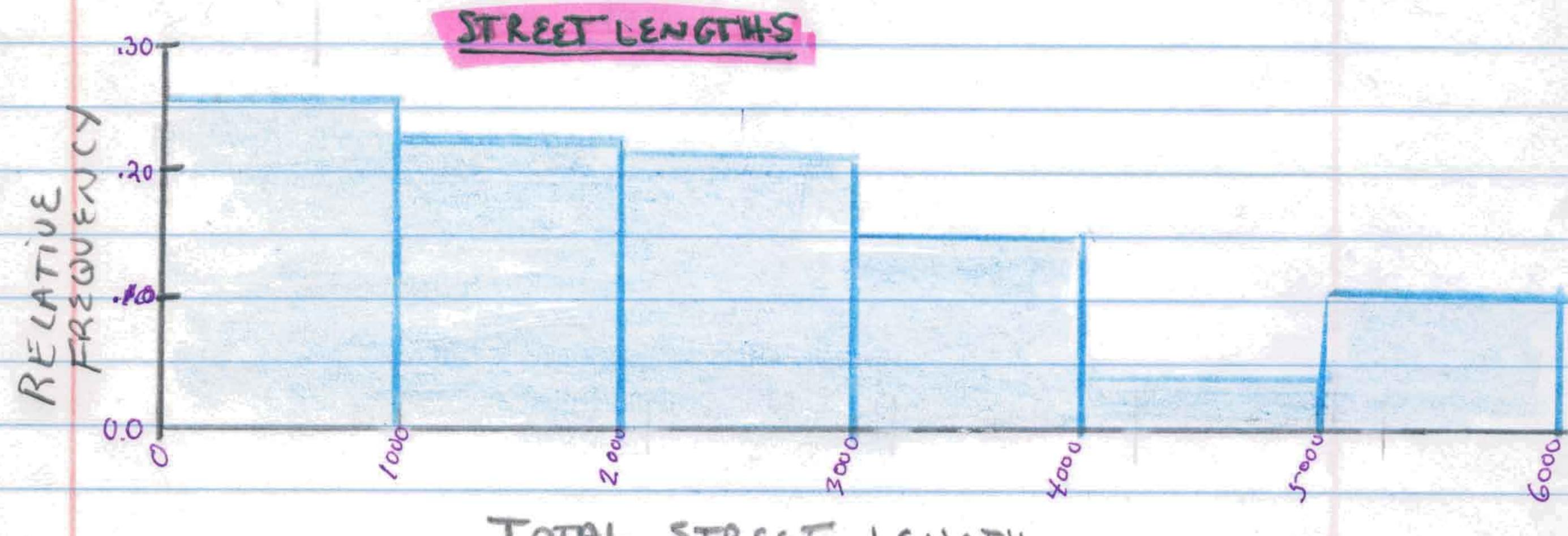
· The graph shows street lengths decline to the 4,000's then have a group that increases.

3.30 CONT.

3.30 Can T

STREETUENOGHHS

	CLASS	FREQUENCY	FREQUENCY	TEACHER COMMENTS	
	0-<1000	12	. 26	· DECIDED TO USE	
	1000-42000	11	. 23	RELATIUE FREQ. SINCE	
	2000 - < 3000	10	. 21	IT WILL BE EASIER FOR	
	3000-44000	7	. 15	SCALING 20'S OVER	
	4000-45000	2	.04	LENGTHS IN 1,000'S	
	500 -46000	5	. 11		
				· NEED TO USE THE	
	Total	n=47	1.00	NUMBER OF DECIMALS	
Į.			^_	SO THE TOTAL ADDS TO 1	



TOTAL STREET LENGTH

SHAPE: POSITIVELY OR RICHT SKEWED

(C) What 90 of the subdivision has total length

less than 2,000? EITHER 12+11 = (489) OR . 26+.23 = 649

% between 2,000 and 4,000?

EITHER: 10+7 = [.3617 or .21