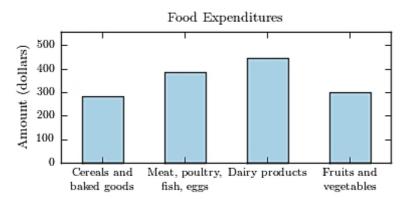
MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

1) The following bar graph presents the average amount a certain family spent, in dollars, on 1) ______ food categories in a recent year.

On which food category was the most money spent?



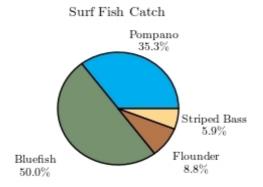
A) Fruits and vegetables

B) Cereals and baked goods

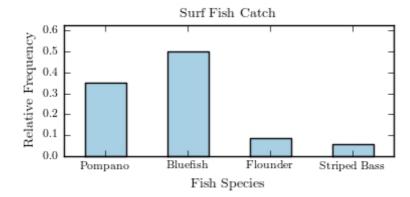
C) Meat poultry, fish, eggs

- D) Dairy products
- 2) The following pie chart presents the percentages of fish caught in each of four ratings cate 2)

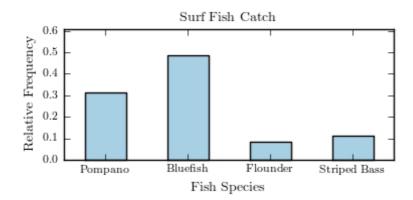
Match this pie chart with its corresponding bar graph.



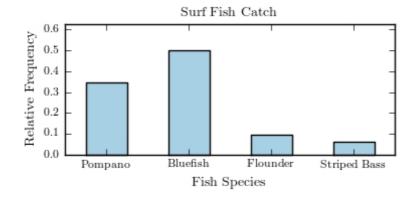


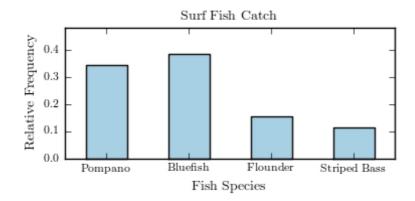


B)

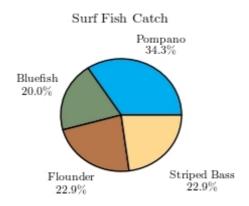


C)

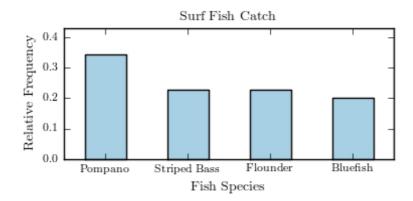




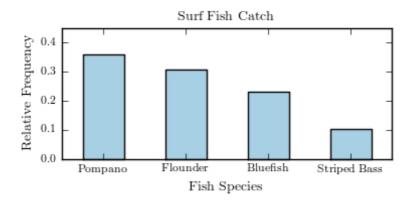
Match this pie chart with its corresponding Pareto chart.



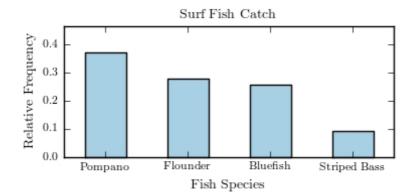
A)



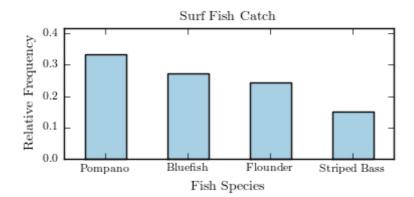
B)



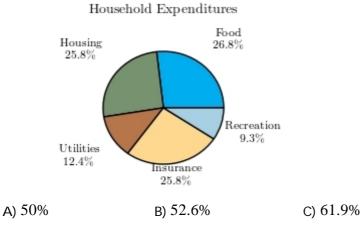
C)



D)



4) Following is a pie chart that presents the percentages spent by a certain household on its f largest annual expenditures. What percentage of the money spent was spent on food, hous utilities?



D) 65%

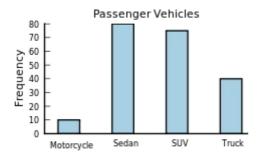
5) The following frequency distribution presents the frequency of passenger vehicles that pas through a certain intersection from 8:00 AM to 9:00 AM on a particular day.

Vehicle Type	Frequency
Motorcycle	5
Sedan	75

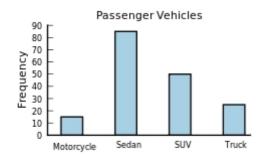
SUV	70
Truck	35

Construct a frequency bar graph for the data.

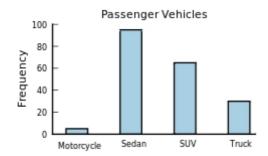
A)

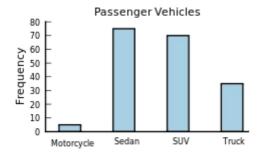


B)



C)





6) The following frequency distribution presents the frequency of passenger vehicles that particular day.

6) through a certain intersection from 8:00 AM to 9:00 AM on a particular day.

Vehicle Type	Frequency
Motorcycle	15
Sedan	80
SUV	88
Truck	34

What is the relative frequency of the Motorcyle category?

- A) 0.17
- B) 15

- c) 0.069
- D) 15%

7) The following frequency distribution presents the frequency of passenger vehicles that particular day.

7) through a certain intersection from 8:00 AM to 9:00 AM on a particular day.

Vehicle Type	Frequency
Motorcycle	7
Sedan	63
SUV	84
Truck	30

Construct a relative frequency distribution for the data.

A)

Vehicle Type	Relative Frequen
Motorcycle	0.083
Sedan	0.75
SUV	1
Truck	0.357

B,

Vehicle Type	Relative Frequency
Motorcycle	0.038
Sedan	0.342
SUV	0.457
Truck	0.163

C)

Vehicle Type	Relative Frequency
Motorcycle	0.038%
Sedan	0.342%
SUV	0.457%
Truck	0.163%

D)

Vehicle Type	Relative Frequency
Motorcycle	0.07
Sedan	0.63
SUV	0.84
Truck	0.3

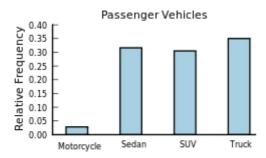
8) The following frequency distribution presents the frequency of passenger vehicles that pa: 8) through a certain intersection from 8:00 AM to 9:00 AM on a particular day.

Vehicle Type	Frequency
Motorcycle	9
Sedan	54
SUV	27

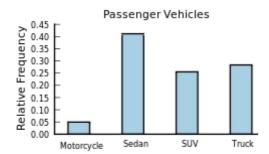
Truck 53

Construct a relative frequency bar graph for the data.

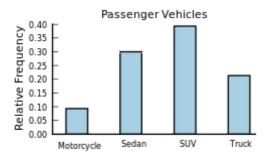
A)

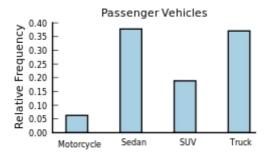


B)



C)

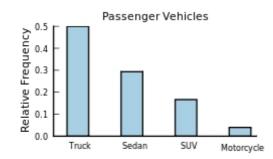




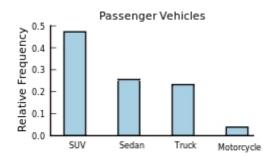
Vehicle Type	Frequency
Motorcycle	7
Sedan	22
SUV	58
Truck	67

Construct a relative frequency Pareto chart for the data.

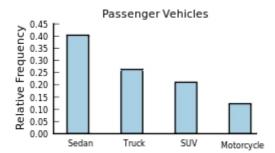
A)



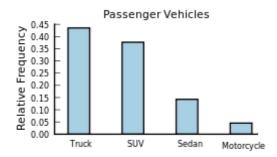
B)



C)



D)



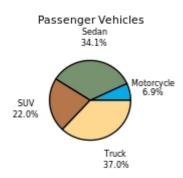
10) The following frequency distribution presents the frequency of passenger vehicles that particular day.

10) through a certain intersection from 8:00 AM to 9:00 AM on a particular day.

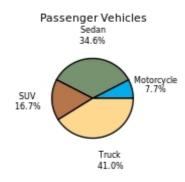
Vehicle Type	Frequency
Motorcycle	12
Sedan	54
SUV	26
Truck	64

Construct a pie chart for the data.

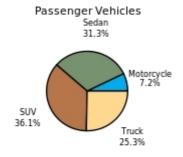
A)

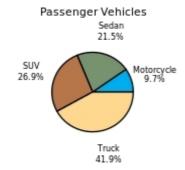


B)

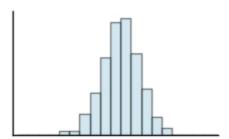


C)





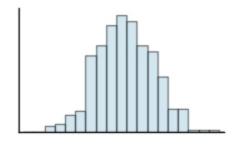
11) Classify the histogram as skewed to the left, skewed to the right, or approximately symme 11)



- A) skewed to the left
- B) skewed to the right
- C) approximately symmetric

12) Classify the histogram as unimodal or bimodal.



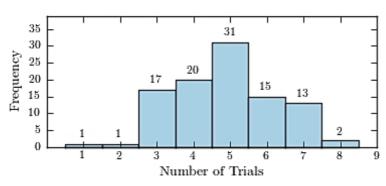


A) unimodal

B) bimodal

13) One hundred students are shown an eight-digit number on a piece of cardboard for three and are asked to then recite the number from memory. The process is repeated until the st accurately recites the entire number from memory. The following histogram presents the of trials it took each student to memorize the number.





How many students memorized the number in three trials or less?

A) 2

B) 81

c) 19

14) The following frequency distribution presents the weights in pounds (lb) of a sample of vi 14) _____ a health clinic.

Weight (lb)	Frequency
100-103	2
104-107	1
108-111	4
112-115	4
116-119	10
120-123	9
124-127	4
128-131	1

What is the class width?

A) 4

B) 3

c) 32

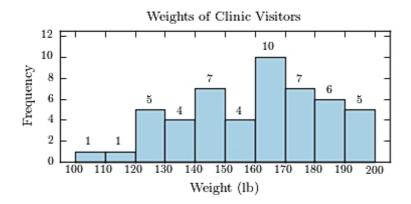
D) 5

15) The following frequency distribution presents the weights in pounds (lb) of a sample of vi a health clinic.

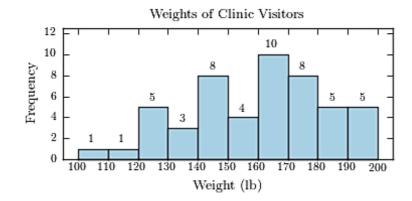
Weights of Clinic Visitors		
Weight (lb)	Frequency	
100-109	1	
110 - 119	1	
120 - 129	5	
130 - 139	4	
140 - 149	7	
150 - 159	4	
160 - 169	10	
170 - 179	8	
180 - 189	5	
190 - 199	5	

Construct a frequency histogram.

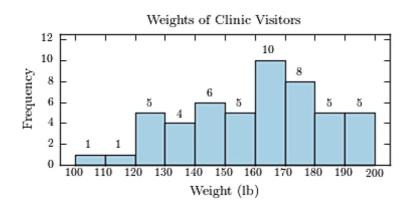
A)

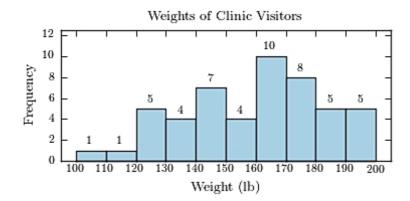


B)



C)



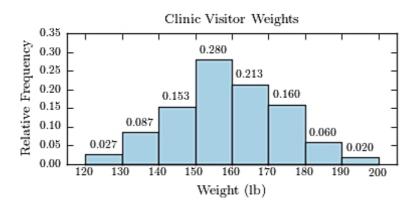


16) The following frequency distribution presents the weights in pounds (lb) of a sample of via 16) a health clinic.

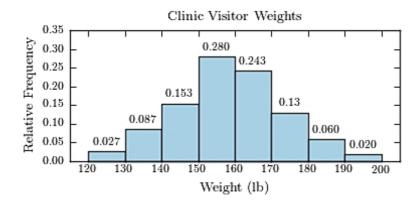
Clinic Visitor Weights			
Weight (lb)	Frequency		
120-129	4		
130-139	13		
140-149	23		
150-159	42		
160-169	32		
170-179	24		
180-189	9		
190-199	3		

Construct a relative frequency histogram.

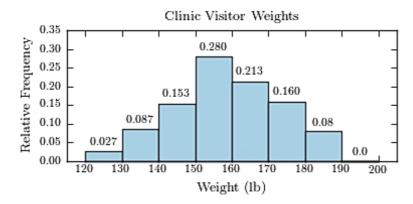
A)



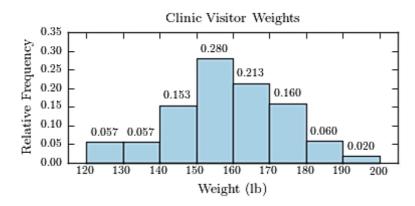
B)







D)



17) The following table presents the purchase totals (in dollars) of a random sample of gasolii 17) purchases at a convenience store.

Construct a frequency distribution using a class width of 10, and using 0 as the lower clas for the first class.

76.59	48.55	93.66	60.17	39.10
93.28	65.43	34.12	80.41	77.16
80.07	93.46	39.19	43.84	44.70
68.74	89.98	6.97	52.86	68.93

Convenience Store Gas Purchases		
Amount (dollars)	Frequency	
0.00-9.99	1	
10.00-19.99	0	
20.00-29.99	1	
30.00-39.99	2	
40.00-49.99	3	
50.00-59.99	1	
60.00-69.99	4	
70.00-79.99	2	
80.00-89.99	3	
90.00-99.99	3	

B)
Convenience Store Gas Purchases

Frequency
1
0
0
4
2
1
4
2
3
3

C)

Convenience	Ctone	Can	Darrohacee
Convenience	Store	Cids	r urchases

Amount (dollars)	Frequency
0.00-9.99	1
10.00-19.99	0
20.00-29.99	0
30.00-39.99	3
40.00-49.99	3
50.00-59.99	1
60.00-69.99	4
70.00-79.99	2
80.00-89.99	3
90.00-99.99	3

D)

Convenience Store Gas Purchases

Amount (dollars)	Frequency
0.00-9.99	1
10.00-19.99	0
20.00-29.99	0
30.00-39.99	3
40.00-49.99	3
50.00-59.99	1
60.00-69.99	4
70.00-79.99	2
80.00-89.99	4
90.00-99.99	2

Construct a relative frequency distribution using a class width of 10, and using 0 as the lo limit for the first class.

57.4	6 27.2	1 - 6.12	97.99	68.22
28.9	7 - 39.4	1 - 77.56	37.06	73.09
88.8	2 - 61.2	9 93.24	65.96	42.37
94.3	8 7.6	7 - 16.95	71.17	65.37

Convenience Store Gas Purchases		
Amount (dollars)	Relative Frequency	
0.00-9.99	0.100	
10.00-19.99	0.050	
20.00-29.99	0.100	
30.00-39.99	0.100	
40.00-49.99	0.050	
50.00-59.99	0.050	
60.00-69.99	0.200	
70.00-79.99	0.150	
80.00-89.99	0.050	
90.00-99.99	0.150	

B)

Amount (dollars)	store	Gas Purcha
rimoune (donais)) F	elative Frequ

Amount (dollars)	Relative Frequency
0.00-9.99	0.100
10.00-19.99	0.050
20.00-29.99	0.100
30.00-39.99	0.100
40.00-49.99	0.030
50.00-59.99	0.070
60.00-69.99	0.200
70.00-79.99	0.150
80.00-89.99	0.050
90.00-99.99	0.150

C)

Convenience Store Gas Purchases

Amount (dollars)	Relative Frequency
0.00-9.99	0.100
10.00-19.99	0.050
20.00-29.99	0.100
30.00-39.99	0.080
40.00-49.99	0.070
50.00-59.99	0.050
60.00-69.99	0.200
70.00-79.99	0.150
80.00-89.99	0.050
90.00-99.99	0.150

D)

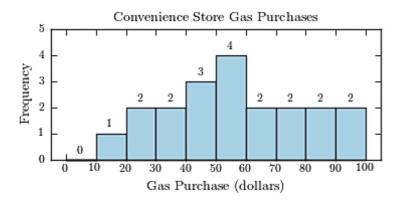
Convenience Ste	ore Gas Purchases
Amount (dollars)	Relative Frequency
0.00-9.99	0.100
10.00-19.99	0.050
20.00-29.99	0.100
30.00-39.99	0.100
40.00-49.99	0.050
50.00-59.99	0.040
60.00-69.99	0.210
70.00-79.99	0.150
80.00-89.99	0.050
90.00-99.99	0.150

19) The following table presents the purchase totals (in dollars) of a random sample of gasolii 19) ______ purchases at a convenience store.

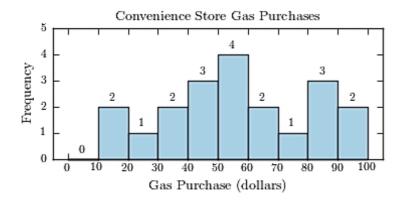
Construct a frequency histogram using a class width of 10, and using 0 as the lower class the first class.

69	55	17	55	81
66	99	44	34	79
22	83	91	15	35
53	74	40	55	49

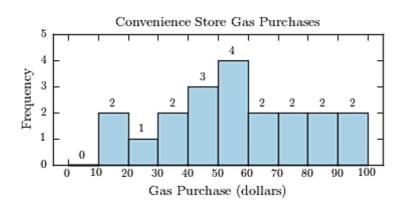
A)



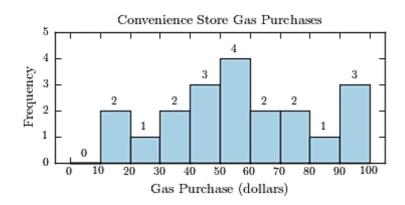
B)



C)



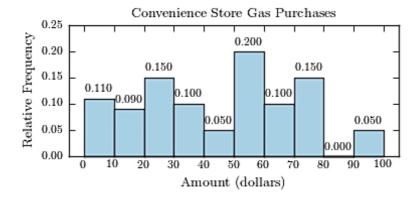
D)



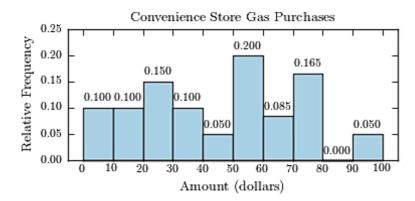
20) The following table presents the purchase totals (in dollars) of a random sample of gasolii 20) purchases at a convenience store.

Construct a relative frequency histogram using a class width of 10, and using 0 as the low limit for the first class.

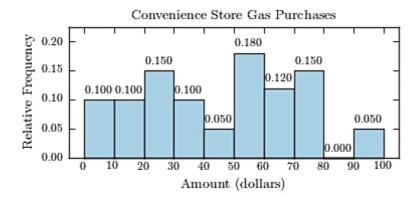
51.13	6.11	36.05	22.27	94.54
49.64	52.78	79.28	51.88	6.29
33.57	53.92	24.91	23.89	79.10
14.86	63.94	15.87	76.44	60.96



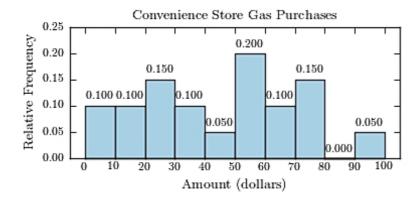
B)



C)



D)

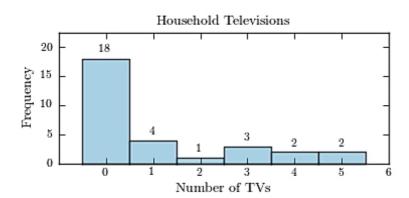


21) Thirty households were surveyed for the number of televisions in each home. Following a 21) results.

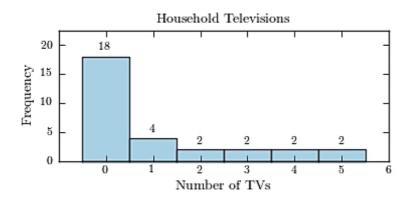
0	1	0	2	3	0	0	0	0	5
4	1	0	0	0	4	0	5	1	0
0	0	0	3	1	1	0	0	0	0

Construct a frequency histogram.

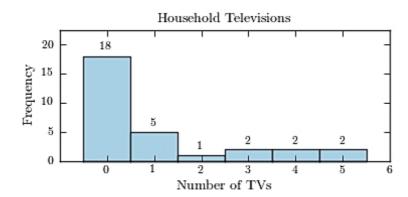
A)



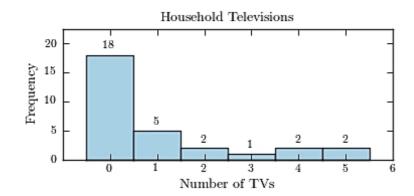
B)



C)



D)

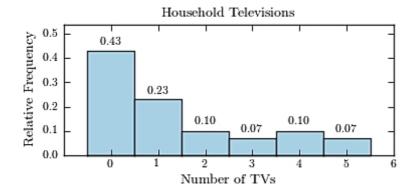


22) Thirty households were surveyed for the number of televisions in each home. Following a 22) results.

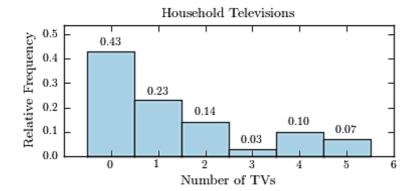
0	0	0	0	1	1	0	4	2	5
0	2	1	0	2	4	0	0	0	1
0	1	1	5	3	0	4	1	3	0

Construct a relative frequency histogram.

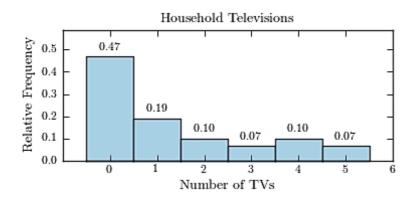
A)

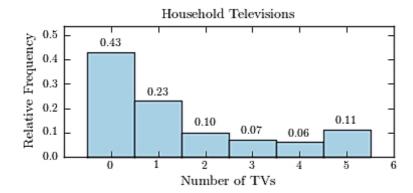


B)



C)



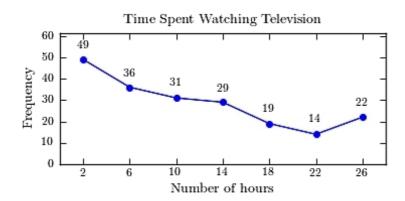


23) A sample of 200 high school students were asked how many hours per week they spend w 23) television. The following frequency distribution presents the results.

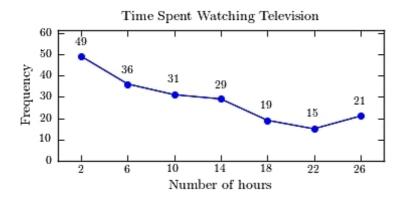
Time Spent Watch	ing Television
Number of hours	Frequency
0.0-3.9	49
4.0-7.9	36
8.0-11.9	31
12.0-15.9	29
16.0-19.9	19
20.0-23.9	15
24.0-27.9	21

Construct a frequency polygon for the frequency distribution.

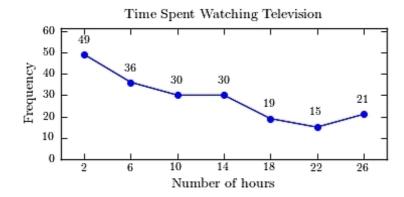
A)



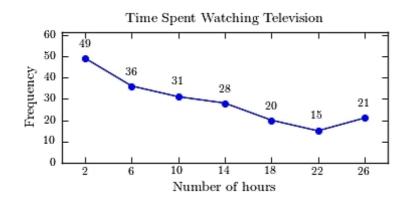
B)







D)

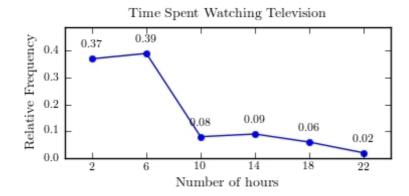


24) A sample of 200 high school students were asked how many hours per week they spend w 24) television. The following frequency distribution presents the results.

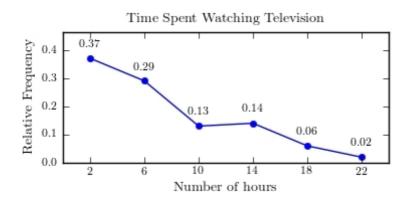
Time Spent Watch	ing Television
Number of hours	Frequency
0.0-3.9	74
4.0-7.9	57
8.0-11.9	35
12.0-15.9	18
16.0-19.9	12
20.0-23.9	4

Construct a relative frequency polygon for the frequency distribution.

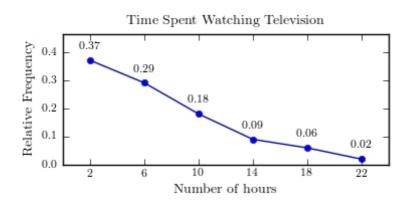


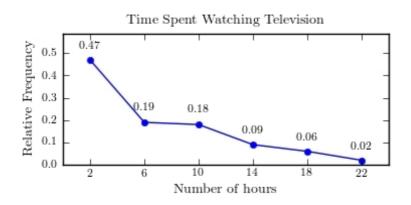


B)



C)



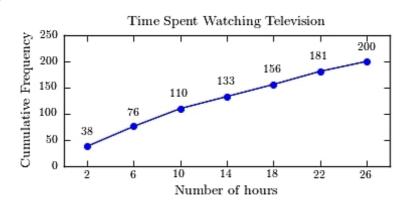


25) A sample of 200 high school students were asked how many hours per week they spend w 25) ______ television. The following frequency distribution presents the results.

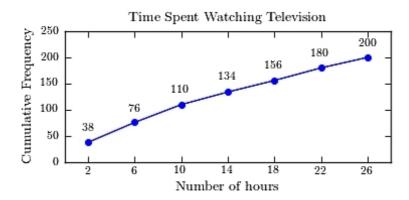
Time Spent Watching Television					
Number of hours	Frequency				
0.0-3.9	38				
4.0 - 7.9	38				
8.0-11.9	34				
12.0-15.9	23				
16.0-19.9	24				
20.0-23.9	23				
24.0-27.9	20				

Construct a frequency ogive for the frequency distribution.

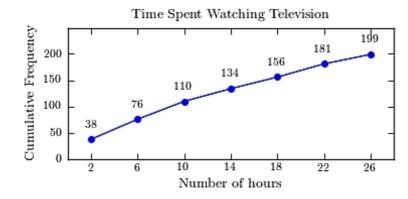
A)



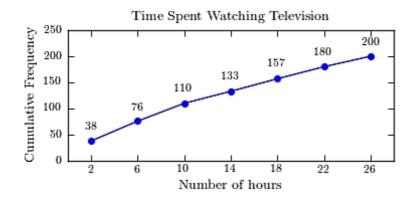
B)







D)

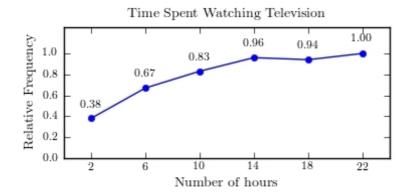


26) A sample of 200 high school students were asked how many hours per week they spend w 26) television. The following frequency distribution presents the results.

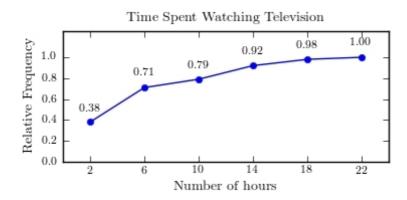
Time Spent Watching Television					
Number of hours	Frequency				
0.0-3.9	76				
4.0-7.9	57				
8.0-11.9	32				
12.0 - 15.9	18				
16.0-19.9	13				
20.0-23.9	4				

Construct a relative frequency ogive for the frequency distribution.

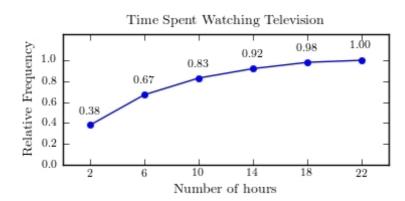


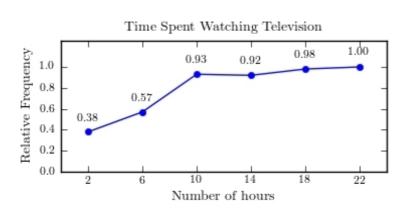


B)



C)





28	20	54	52	26	17	31	53	40	20
51	20	28	58	40	10	25	43	40	54

1	07
2	0005688
3	1
4	000
5	1233448

B)

07
0005688
1
0003
13448
2

C)

1	07
2	000568
3	18
4	0003
5	123448

1	07
2	0005688
3	1
4	0003
5	123448

29) ___

6.7	8.3	10.3	9.0	10.3	8.8	9.1	6.9	10.8	6.6	10.3	10.7
10.3	3.8	10.6	5.0	5.3	8.1	9.1	9.6	10.9	7.8	8.8	9.8

A)

3	8
4	3
5	0
6	79
7	68
8	1388
9	01168
10	33336789

B)

3	8
4	
5	03
6	679
7	8
8	1388
9	011688
10	333367
11	9

C)

\ <u>-</u>	
3	8
4	
5	03
6	679
7	88
8	138
9	01168
10	3336789
11	3

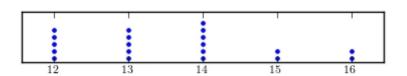
D)

3	8
4	
5	03
6	679
7	8
8	1388
9	01168
10	33336789

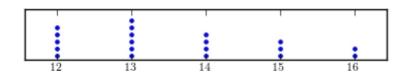
29) Construct a dotplot for the following data.

16	13	14	12	15	13	14	14	12	12
14	13	13	14	12	13	15	14	12	16

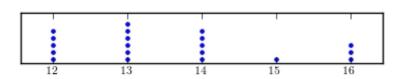
A)

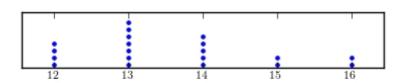


B)

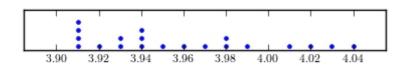


C)

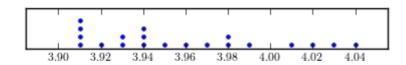




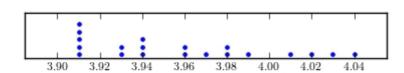
3.94	3.93	3.98	3.91	4.03	3.95	4.01	3.98	3.91	3.97
3.94	3.94	4.04	3.96	4.02	3.91	3.91	3.99	3.91	3.93



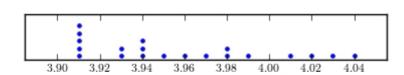
B)



C)



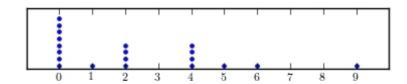
D)



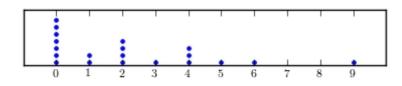
31) Following are the numbers of Dean's List students in a random sample of 20 university courses. Construct a dotplot for these data.

31) ___

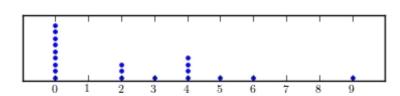
9	2	0	0	4
2	0	0	4	0
4	2	0	0	5
6	1	2	0	4



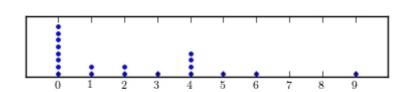
B)



C)

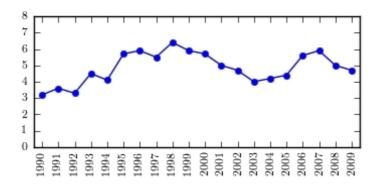


D)

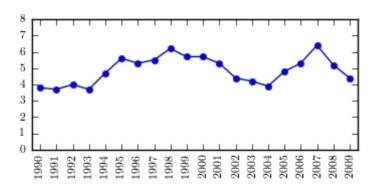


32) The following table presents the rate of population growth of a suburb of Atlanta, Georgia 32) of the years 1990 through 2009. Construct a time-series plot of the growth rate.

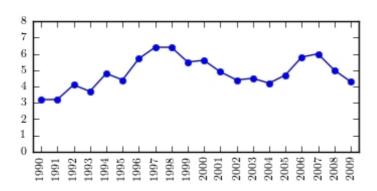
Year	Percent Growth	Year	Percent Growth
1990	3.1	2000	5.5
1991	3.3	2001	5.2
1992	4.3	2002	4.4
1993	3.5	2003	4.2
1994	4.4	2004	4.1
1995	5.7	2005	4.7
1996	5.2	2006	5.9
1997	6.4	2007	6.2
1998	5.6	2008	5.2
1999	5.8	2009	4.6

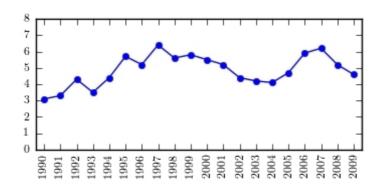


B)



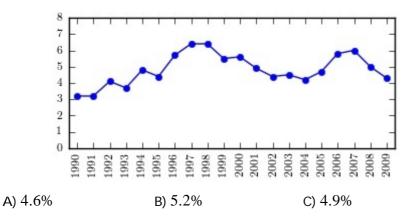
C)





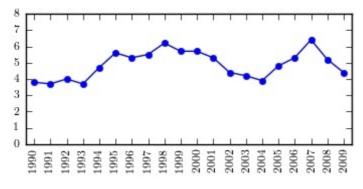
33) The following time-series plot presents the population growth (in percent) of a suburb of Atlanta, Georgia for each of the years 1990 through 2009. Estimate the rate of growth in 1,999.





- D) 5.5%
- 34) The following time-series plot presents the population growth (in percent) of a suburb of Atlanta, Georgia for each of the years 1990 through 2009. Estimate the amount by which the rate of growth changed from 1,995 to 2,004.





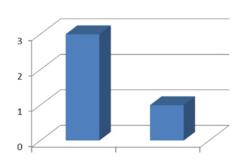
- A) about -1.3 percentage points
- B) about -1.9 percentage points
- C) about -1.0 percentage points
- D) about -2.9 percentage points
- 35) The amounts 3 and 2 are compared. Which of the following graphical displays are the least misleading?



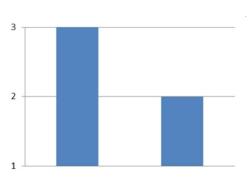




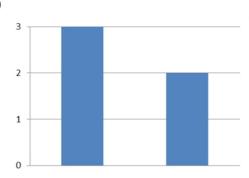
B)



C)

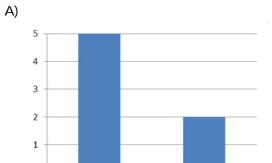


D)

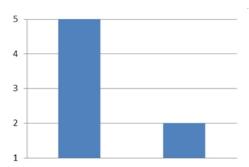


36) The amounts 5 and 2 are compared. Which of the following graphical displays are the least misleading?

36)

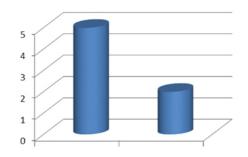


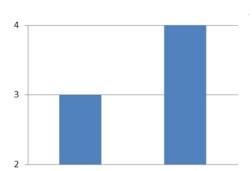




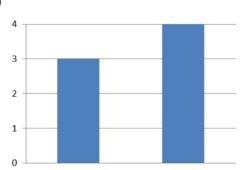
C)



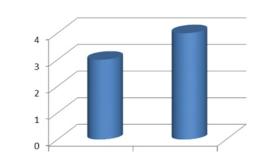




B)



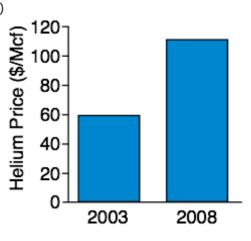
C)







В

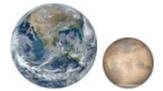


39) **Gravity on Mars**: The gravity on Earth is around $\frac{2}{3}$'s stronger than the gravity on Mars.

39)

Which of the following graphics compare the gravity differences more accurately, and wh

A)



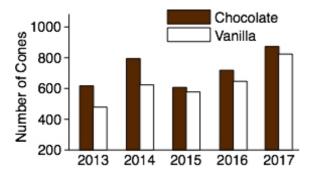
B)



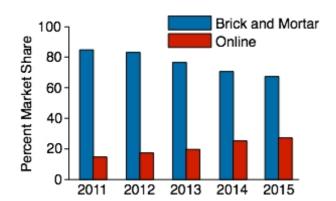
SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

40) Chocolate or vanilla: The following bar graph shows the number of chocolate and vanilla ice cream cones sold during the annual county fair for the years 2013 - 2017. Does the graph present an accurate picture of the difference between chocolate and vanilla cones sold? Or is it misleading? Explain.

40) ____



41) **Toy sales**: The following graph presents the percent market share for the US Toy
Retail Sales between brick and mortar toy sales and online sales for the years
2011-2015. Does the graph present an accurate picture of the differences in revenue from these two sources? Or is it misleading? Explain.



A) Statistic

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

42) ____ 42) Choose the answer below that best completes the following statement. A _____ is a number that describes a population. B) statistic A) summary C) sample D) parameter 43) Choose the answer below that best completes the following statement. 43) A ______ is a number that describes a sample. B) statistic C) measurement A) population D) parameter 44) In a recent poll, 64% of the respondents supported stricter gun laws. Is this an example of statistic or a parameter? A) Statistic B) Parameter 45) In a small town, 84% of the residents, aged 16 or more years old, own a car. Is this an example of statistic or a parameter? A) Statistic B) Parameter 46) Of the televisions offered at an electronics store, 42% cost less than \$500.00. Is this an example of statistic or a parameter? A) Statistic B) Parameter 47) In a survey of 1000 teenagers, 23% of them said they use tobacco products. Is this an 47) example of statistic or a parameter?

B) Parameter

48) Which of the follow	ving sample types should	you always regard as uni	reliable?	48)
A) simple randon	n samples	B) voluntary respons	se samples	
C) stratified samp	oles	D) cluster samples		
49) A pollster randomly samples 145 Democrats, 154 Republicans and 19 Independents (all			49)	
registered voters) in	n Metro City and asks ead	ch poll participant which	mayoral candidate	
-	•	e that the pollster is using		
A) stratified samp		B) sample of conven	ience	
C) voluntary resp	onse sample	D) cluster sample		
•	-	to the adults at a school for		50)
•	•	lieve in anthropogenic glo	_	
	et indicates that the comp the kind of sample that is b	leted leaflet should be ret eing used.	turned to the	
A) sample of con	venience	B) systematic sample	e	
C) cluster sample		D) stratified sample		
51) By visiting homes door-to-door, a municipality surveys all the households in 149			51)	
randomly-selected	neighborhoods to see how	v residents feel about a pr	roposed property	
tax increase. Identif	fy the type of sample that	is being used.		
A) systematic san	nple	B) voluntary respons	se sample	
C) stratified samp	ble	D) cluster sample		
-	_	cell phone to verify that i	t is functioning	52)
properly. Identify the	ne kind of sample that is	being used.		
A) simple randon	-	B) systematic sample	e	
C) cluster sample		D) stratified sample		
53) The names of all 12	26 students in a professor	's class are written on ide	entical slips of	53)
		lass jar. Then, the profess		
-	•	of sample that is being us		
A) systematic san	•	B) simple random sa	-	
C) cluster sample		D) sample of conven	ience	
54) Determine which of the following describes quantitative data.			54)	
	a chemical sample			
	a chemical sample			
	a chemical sample	-, · · · · · · · · · · · · · · · · · · ·	-> ' 1	
A) ii only	B) i and ii only	C) i, ii, and iii	D) i only	

55) Determine which of the following describes quantitative data.			55)	
i). the length of an object in feet				
ii). the speed of an	object in meters per se	cond		
iii). the number of	objects that are blue			
A) i and ii only	B) iii only	C) i only	D) i, ii, and iii	
56) Determine which of the	e following describes q	jualitative data.		56)
•	shipping container, in	•		
,	material from which the	he container is made		
iii). the shape of the	e container			
A) i, ii, and iii	B) i and iii only	C) ii and iii only	D) i and ii only	
57) Determine which of the	e following describes q	jualitative data.		57)
i). the make of the car with license plate number VNS-862ii). the license plate number VNS-862				
- · · · · · · · · · · · · · · · · · · ·		plate number begins w	ith "VNS"	
A) i and ii only		B) iii only		
C) neither i, nor ii, no	or iii	D) i only		
58) Determine which of the following describes nominal data.				58)
i. My favorite days of the week are Friday, Saturday, and Tuesday.				
ii. My favorite day third-favorite is		my second-favorite is S	aturday, and	
A) both i and ii	B) neither i nor ii	C) i only	D) ii only	
59) Determine which of the	e following describes n	nominal data.		59)
i. Michaelangelo's sells small, medium, large, and jumbo pizzas.				
_		gs are pepperoni, black		
A) neither i nor ii	B) both i and ii	C) i only	D) ii only	
60) Determine which of the following describes ordinal data.			60)	
		Ed placed, and Wabash o win, Mr. Ed to place,		
A) i only	B) both i and ii	C) neither i nor ii	D) ii only	
61) Determine which of the	e following describes o	ordinal data.		61)
i. My best friends a	re Georgia, Amithaba, abers are 2, 7 and 13.			· ,
A) both i and ii	B) neither i nor ii	C) i only	D) ii only	

62) Which one of the follow	ing data are discre	ete?		62)
A) the average preseason ranking of the University of Connecticut's women's				
basketball team ov	er the past 10 years	\mathbf{S}		
B) the pre-season rank	ing of Duke Unive	ersity's men's basketball	team	
c) the height of the ta	llest player on Duk	e University's men's ba	sketball team	
D) the average height	of players on the U	Iniversity of Connecticu	ıt's women's basketball	
team				
63) Which one of the follow	ing data are discre	te?		63)
A) the speed of the bo	at's propeller, in re	volutions per minute		
B) the number of crew	members on the b	ooat		
C) the latitude and lon	gitude of the boat's	s port of departure		
D) the latitude and lor	gitude of a boat at	sea		
(0) W/L: 1, f (1, f - 11	1.4	9		(4)
64) Which one of the follow	•			64)
A) the average height	•			
,		umerous to least numer	ous	
C) the number of representations of representations of the second control of the second				
D) the number of spec	ies of trees in a par	TK		
65) Which one of the follow	ving data are contin	nuous?		65)
A) the number of mus	•			·
B) the time remaining	-			
c) the number of time	s the file has been	downloaded		
D) all of these represe	nt continuous data			
66) When rolling two six-side	•		able ones) to 12	66)
(double sixes).Character				
A) qualitative and disc		B) qualitative and		
C) quantitative and co	ntinuous	D) quantitative ar	id discrete	
67) When experimental unit	s are people, they:	are sometimes called		67)
A) personnel	B) subjects	C) topics	D) human units	
ry personner	b) subjects	o, topies	D) Haman ames	
68) In an experiment, the	is v	what is measured on ea	ch experimental unit.	68)
A) subject	B) treatment	c) category	D) outcome	
(a) W/L: -1, -6 (1, -6-11,:	in the head decrees	:		(0)
69) Which of the following	-	•		69)
•		s are assigned randomly	•	
B) an experiment in w	men me mvestigat	ors are chosen at rando	111	
C) an experiment in w	hich the outcomes	are random		
		ntal units are selected at	random	
-, - r	т-г			

70) In a randomized experiment, if there are large differences in outcomes among the		70)
treatment groups, we can conclude that the	e differences are due to	
A) deliberate data manipulation	B) the treatments	
C) experimental error	D) random luck	
71) Which of the following is the best descrip	tion of a double-blind experiment?	71)
A) an experiment in which neither the in names	vestigators nor the subjects know the others'	
B) an experiment in which both the inve	estigators and the subjects are hidden from the	
	vestigators nor the subjects know how the	
_	are blindfolded so they cannot see which	
72) In an experiment, subjects are put into two		72)
subject is randomly assigned a treatment.	-	
A) randomized blocking	B) observational studies	
C) gender bias	D) confounding	
73) A(n) makes it difficult	to determine whether an experimental	73)
outcome is due to the applied treatment.		
A) perplexer	B) uncooperative subject	
C) error	D) confounder	
74) An experiment that tends to overestimate	or underestimate the true value is said to be	74)
A) un-randomized	B) biased	
C) flagrant	D) randomized	
75) People are reluctant to admit to behavior that may reflect negatively on them. This can		75)
lead to		
A) sampling bias	B) voluntary response bias	
C) social acceptability bias	D) hurt feelings	
76) The question		76)
"Do you favor a higher standard of living, even though it produces unclean air and wa		
is an example of	D) random sampling	
A) sampling bias C) leading question bias	B) random sampling D) framing	
C) leading duestion dias	D) Hallilla	

77) You ask your friends who they plan to vote for in the next congressional election. Based (
responses, you conclude that the candidate you	favor cannot lose!		
This is most likely an example of			
A) sampling bias	B) self-interest bias		
C) voluntary response bias	D) randomized sampling		
78) A small brew pub sent out questionnaires to a simple random sample of 250 customers			
asking whether they would like the brewery to include an imperial stout in their regular			
offerings. Of the 250 questionnaires, 12 were returned and 10 of those were in favor of			
including the stout. Specify the type of bias inv	rolved.		
A) Voluntary response	B) Self-interest		
C) Sampling	D) Nonresponse		
79) A sign in a grocery store claims that 92% of their customers believe them to have the			
freshest produce in the city. Specify the type of	bias involved.		
A) Leading question	B) Self-interest		
C) Voluntary response	D) Social acceptability		
80) A radio talk show invites people to call in and	state whether or not they think that sexual	80)	
harassment in the work place is a common prol	blem.		
A) Social acceptability	B) Sampling		
c) Voluntary response	D) Self-interest		

Answer Key

Testname: UNTITLED1

- 1) D
- 2) A
- 3) A
- 4) D
- 5) D
- 6) C
- 7) B
- 8) D
- 9) D
- 10) B
- 11) C
- 12) A
- 13) C
- 14) A
- 15) D
- 16) A
- 17) C
- 18) A 19) C
- 20) D
- 21) C
- 22) A
- 23) B
- 24) C
- 25) D
- 26) C
- 27) D
- 28) D
- 29) A 30) D
- 31) A
- 32) D
- 33) D
- 34) B
- 35) D
- 36) A
- 37) B
- 38) B
- 39) A
- 40) Misleading
- 41) Accurate
- 42) D
- 43) B
- 44) A
- 45) B
- 46) B
- 47) A
- 48) B
- 49) A

Answer Key

Testname: UNTITLED1

- 50) A
- 51) D
- 52) B
- 53) B
- 54) A
- 55) D
- 56) C
- -->
- 57) A
- 58) C
- 59) D
- 60) B
- 61) B
- 62) B
- 63) B
- 64) A
- 65) B
- 66) D
- 67) B
- 68) D
- 69) A
- 70) B
- 71) C 72) A
- 73) D
- 74) B
- 75) C
- 76) C
- 77) A
- 78) D
- 79) B
- 80) C