Mathematical Ideas Chapter 13 Review

Name\_

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

Use Chebyshev's theorem to solve the problem.

In a certain distribution of numbers, the mean is 50 and the standard deviation is 6. What can you say about
the fraction of numbers that lie between 32 and 68?

A) at least 
$$\frac{2}{3}$$
 B) at most  $\frac{8}{9}$  C) at least  $\frac{8}{9}$  D) at most  $\frac{2}{3}$ 

2) Find the least possible fraction of numbers in a data set lying within 5 standard deviations of the mean. 2)

3)

A) 
$$\frac{1}{25}$$
 B)  $\frac{4}{5}$  C)  $\frac{1}{5}$  D)  $\frac{24}{25}$ 

Use the graph to answer the question.



Mike decides to buy shares of companies A, B, and C, which were initially selling for the same price. The changes in each stock's value are shown in the graph above. At its peak, stock A was valued at approximately how much more than either B or C?

A) \$15	B) \$10	C) \$30	D) \$35
	-/ + · ·	-, +	-,



Mike decides to buy shares of companies A, B, and C, which were initially selling for the same price. The changes in each stock's value are shown in the graph above. Knowing what he knows now, after how many days should he have sold in his stock in company A?



Mike decides to buy shares of companies A, B, and C, which were initially selling for the same price. The changes in each stock's value are shown in the graph above. After how many days did stock C's value go below \$20?

A) 40	B) 80	C) 60	D) 30
	=, ==	-/	-,

D) 80



Mike decides to buy shares of companies X and Y, which were initially selling for the same price. The changes in each stock's value over 90 days are shown in the graph above. Using the trend of the graph at 90 days, do you expect the value of Stock X to increase or decrease over the upcoming days?

7) 10 20 30 40 50 60 70 80 90 100 110 120 А Dollar Value В С 10 20 30 40 50 60 70 80 90 100 110 Time (Days)

B) Decrease



Mike decides to buy shares of companies A, B, and C, which were initially selling for the same price. The changes in each stock's value are shown in the graph above. Could Mike have ever made a profit off of stock C if he had sold at the right time?

A) Yes

A) Increase

B) No

A company installs 5,000 light bulbs. The lifetimes of the lightbulbs are approximately normally distributed with a mean of 500 hours and a standard deviation of 100 hours. Find the approximate number of bulbs that can be expected to last the indicated amount of time.

8) More than 400 hours				8)
A) 2,207	B) 4,219	C) 4,195	D) 4,205	
9) Less than 690 hours				9)
A) 4,860	B) 4,853	C) 2,357	D) 4,855	
10) Between 500 hours a	nd 675 hours			10)
A) 2,256	B) 4,800	C) 2,300	D) 4,700	

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

Provide an appropriate response.

11) Explain in your own words the difference between a bar graph and a histogram. Give an example 11) \_\_\_\_\_ of data for which you might use a histogram and an example of data for which you might use a bar graph. 12) \_\_\_\_\_ 12) The median of a data set is always/sometimes/never (select one) one of the data points in a set of data. Explain your answer with brief examples. 13) \_\_\_\_\_ 13) Suppose that you want to construct a pie chart to represent the following data. Blood Type Frequency Ο 90 А 84 В 18 AB 8 Explain how you would calculate the angle for the sector corresponding to the blood type O. 14) Suppose that a state introduces a state income tax which will be at a flat rate of 3%. The state 14) \_\_\_\_\_ legislature wishes to estimate how much money they will receive in taxes, and to do this they need to know the average income of residents of the state. Which information would be most useful, the mean income, the median income, or the mode of the incomes? Why? 15) Roughly speaking, the standard deviation indicates how far, on average, the observations are from 15) \_\_\_\_\_ the mean. Do you think that for the data set below the standard deviation will give a good indication of the typical deviation from the mean? 2, 3, 4, 4, 5, 5, 6, 6, 100 What drawback of the standard deviation is illustrated by this example? 16) \_\_\_\_\_ 16) Suppose that a data set has a left-skewed distribution. Which do you think will be larger, the mean or the mode? Explain your thinking. 17) \_\_\_\_\_ 17) Suppose that a data set has a mean of 100 and a standard deviation of 5. If a positive number k is added to every item of the data set, how will this affect the mean and the standard deviation? MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question. 18) If the mean and median are equal for the set  $\langle 4, 8, x \rangle$ , what can you say about the value of x? 18) A) x = 1, x = 6, or x = 11B) Not possible C) x = 0, x = 6, or x = 12D) x = 6

This double-bar graph shows the number of male (M) and female (F) athletes at a university over a four-year period. Answer the question.



Find the equation of the least squares line for the given data. Round the final values to the nearest hundredth unless otherwise specified.

23) Ten students in a graduate program were randomly selected. Their grade point averages (GPAs) when they 23 entered the program were between 3.5 and 4.0. The following values were obtained for their GPAs on entering the program and their current GPAs. Find the equation of the least squares line. Round values to three significant digits.

Entering GPA (x)	Current GPA (y)		
3.5	3.6		
3.8	3.7		
3.6	3.9		
3.6	3.6		
3.5	3.9		
3.9	3.8		
4.0	3.7		
3.9	3.9		
3.5	3.8		
3.7	4.0		
A) y' = 4.91 + 0.0212x	B) y' = 2.51 + 0.329x	C) y' = 3.67 + 0.0313x	D) y' = 5.81 + 0.497x

24) Managers rate employees according to job performance and attitude. The results for several randomly selected employees are given below.

24)

Attitude (x) 59 63 65 69 58 77 76 69 70 64 Performance (y) 72 67 78 82 75 87 92 83 87 78 C) y' = -47.3 + 2.02xD) y' = 2.81 + 1.35x A) y' = 11.66 + 1.02xB) y' = 92.3 - 0.669x 25) 25) x 1 2 3 4 5 6 y 17 20 19 22 21 24 A) y' = 1.17x + 18.9B) y' = 1.17x + 16.4 C) y' = 1.03x + 16.4D) y' = 1.03x + 18.926) 26) x 10 20 30 40 50 y 3.9 4.6 5.4 6.9 8.3 C) y' = x - 8 A) y' = 0.11x + 2.49B) y' = 0.17x + 2.11 D) y' = 0.5x - 2 Find the indicated probability or percentage for the normally distributed variable. 27) The volumes of soda in quart soda bottles are normally distributed with a mean of 32.3 oz and a standard 27) deviation of 1.2 oz. What is the probability that the volume of soda in a randomly selected bottle will be less than 32 oz? A) 0.599 B) 0.382 C) 0.099 D) 0.401 28) At a local college, times for running the mile are approximately normally distributed with a mean of 4.5 28) minutes, and a standard deviation of 0.3 minutes. What is the probability that a randomly selected time will be less than 4 minutes? B) 0.227 C) 0.953 A) 0.047 D) 0.274 29) The monthly incomes of trainees at a local mill are normally distributed with a mean of \$1100 and a 29) standard deviation of \$150. Find the probability that a randomly selected trainee earns less than \$900 a month. A) 0.159 B) 0.092 C) 0.081 D) 0.184 30) The mean clotting time of blood is 7.35 seconds, with a standard deviation of 0.35 seconds. The times are 30) approximately normally distributed. What is the probability that a randomly selected blood clotting time will be less than 7 seconds? A) 0.159 B) 0.363 C) 0.156 D) 0.841

A) 143

31) The bar graph below shows the number of students by major in the College of Arts and Sciences.

31)

32)

33)

34)

D) 144



32) The bar graph below shows the number of students by major in the College of Arts and Sciences.



B) 145 C) 146

35) The test scores of 15 stu	idents are listed below. Find	the third decile, $D_3$ .		35)
41 48 53 57 60 63 67 68 74 76 85 87 90 94 95				
A) 56.5	B) 60	C) 57	D) 63	
nstruct a stem and leaf display	y for given data.			
36) Here are the final score	s for the last 16 games playe	ed by the local basketball team	٦.	36)
45 54 53 65 67 75 57 59 87 86 79 74 67 75 87 65				
A) 4 45 5 53 54 57 59 6 65 67 7 74 75 79 8 86 87	B) 4 5 5 3 4 7 9 6 5 7 7 4 5 9 8 6 7	C) 4 45 5 53 54 57 59 6 65 65 67 67 7 74 75 75 79 8 86 86 87	D) 4 5 5 3 4 7 9 6 5 5 7 7 7 4 5 5 9 8 6 7 7	
37) Mr. Johnson wants to d	isplay his employees' ages i	n a graph. Below are their age	es.	37)
23 36 45 42 34 53 34 27 24				
A) 2   3 4 7 3   4 6 4   2 4 5   3	B) 2 23 24 27 3 34 34 36 4 42 44 5 43	C) 2 23 24 27 3 34 36 4 42 44 5 43	D) 2   3 4 7 3 4 4 6 4 2 5 5 3	
38) The numbers below rep	present the commute times (	in minutes) for a group of col	lege students.	38)
11 16 12 16 13 25 26 23 12 16 34 21 4 7	5 35 2 12 24 23 34			· _
A)		В)		

A) True	B) False

39) For any data set the midrange,  $\frac{\text{minimum value + maximum value}}{2}$ , is equal to the median.

C)

True or false?

0 2 4 7

1 11 12 13 16 2 21 23 24 25 26 3 34 35 D)

0 2 4 7

3 34 34 35

1 11 12 12 12 13 16 16 16 2 21 23 23 24 25 26 26

40) A person who scored at the sixtieth percentile in a test scored higher than 300 people if 500 people took the test.			40)	
A) True		B) False		
41) A person who scored at	the eightieth percentile in	a test answered eighty perc	ent of the questions correctly.	41)
A) True		B) False		
42) Using only a box plot, i	t is possible to determine th	ne mean value of a data set.		42)
A) True		B) False		
Find the area under the normal of	surve for the condition.			
43) Find the percent of the	total area under the curve b	between z = 1.41 and z = 2.83	8.	43)
A) 7.85%	B) 7.7%	C) 7.8%	D) 7.9%	
44) Find the percent of the	total area under the curve b	petween z = -2.49 and z = 1.1	9.	44)
A) 86.8%	B) 87.7%	C) 11.3%	D) 11.1%	
SHORT ANSWER. Write the wo	rd or phrase that best com	pletes each statement or an	swers the question.	
Solve the problem.				
45) A local newspaper ran a kill millions of innocent	a survey by asking, "Do you t people?" What was wrong	u support the deployment of with the survey question?	a weapon that could 45)	
MULTIPLE CHOICE. Choose th	e one alternative that best	completes the statement or	answers the question.	
46) At Loop Junior College standard deviation of 0	, the mean grade point aver .64. Compute the gpa's of e	rage (gpa) of the current stud ach student to two decimal p	dent body is 2.76 with a blaces.	46)
A gpa with a z-score of A gpa with a z-score of	0.6. -0.2.			
A) 3.40, 2.12	B) 3.14, 2.63	C) 2.16, 2.96	D) 3.14, 2.56	
47) A radio station claims t minutes and a standard randomly selected time Calculate the z-score fo	hat the amount of advertisi I deviation equal to 2.6 min , and carefully observe that or this amount of advertisin	ng per hour of broadcast tin utes. You listen to the radio t the amount of advertising t g time.	ne has an average of 13 station for 1 hour, at a ime is equal to 7 minutes.	47)
A) -15.6	B) 0.34	C) 2.31	D) -2.31	
48) Scores on a test are app The teacher wants to giv next 16%, and F's to the nearest whole number.	roximately normally distrib ve A's to the top 10% of stu bottom 9%. What is the bo	buted with a mean of 70 and dents, B's to the next 25%, C ttom cutoff for a D grade? R	a standard deviation of 9. 's to the next 40%, D's to the ound your answer to the	48)
A) 65	B) 56	C) 58	D) 62	
SHORT ANSWER. Write the wo	rd or phrase that best com	pletes each statement or an	swers the question.	
49) "38% of adults in the Ur college student after sho wrong with her survey'	nited States regularly visit a e had questioned 520 rando ?	a doctor". This conclusion wa omly selected members of he	as reached by a 49) r college. What was	

50) You plan to make a s school library. Is ther	urvey of 200 people. The pl e a problem with your plan	an is to talk to every 10th pe ?	rson coming out of the 50) _	
MULTIPLE CHOICE. Choose	the one alternative that be	st completes the statement o	or answers the question.	
51) Elizabeth and Angela 500-meter race in 60 4.0 seconds. Angela s a standard deviation had the faster time?	a skate for their college spee seconds. The average for th kated the 1000-meter race i of 10.0 seconds. Find the z-	d-skating team. In the last r is race is 65 seconds with a s n 132 seconds. The average score for each skater. Relati	ace, Elizabeth skated the standard deviation of for this race is 140 seconds with vely speaking, which skater	51)
A) -1.2, -0.8, Eliza	beth	B) -5.0, -8.0, Ang	ela	
C) -1.2, -0.8, Ange	ela	D) -5.0, -8.0, Eliza	abeth	
52) Sheryl's mean score c	on eight exams is 83.500. Fin	d the sum of her scores.		52)
A) 668	B) 684	C) 768	D) 691	
53) At Loop College, the deviation of 0.64. Fin	e mean grade point average d the gpa of a student whos	(gpa) of the current student ie z-score is -2.4. Round to	body is 2.76 with a standard the nearest hundredth.	53)
A) 5.16	B) 1.22	C) 0.36	D) 2.12	
SHORT ANSWER. Write the v	word or phrase that best co	mpletes each statement or a	inswers the question.	
54) A researcher wished from among registere control laws which re What was wrong wit	to gauge public opinion on ed voters and asked them th estrict the ability of America h this poll?	gun control. He randomly s le following question: "Do yo ans to protect their families s	elected 1000 people 54) _ ou believe that gun should be eliminated?".	
MULTIPLE CHOICE. Choose	the one alternative that be	st completes the statement of	or answers the question.	
55) At Loop College, the deviation of 0.64. Fin	mean grade point average d the gpa of a student whos	(gpa) of the current student e z-score is 1.4. Round to	body is 2.76 with a standard the nearest hundredth.	55)
A) 3.66	B) 2.85	C) 3.40	D) 1.36	
Find the standard deviation. R	ound to one more place tha	in the data.		
56) 19, 14, 17, 6, 5, 14, 14,	16, 15			56)
A) 4.7	B) 1.7	C) 4.5	D) 5.1	
Classify the random variable a	s either discrete or continu	ous.		
57) The number of oil sp	ills occurring off the Alaska	n coast		57)
A) Discrete		B) Continuous		
58) The number of freshr	men in the required course,	English 101		58)
A) Continuous		B) Discrete		

Use the information to complete a circle graph. Note that the circle is divided into 100 equal sections.





D) Weight (TTTT) Training Other 25% 11% None 28% TILL BURGER Golf Walking 11% 19% Running 6%

B)

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Other

11%

Weight

Training 25%

Golf

11%

L'EXTERNATION OF THE STATE

LEHER 19%

None

28%

Running

6%

Walking

60) Main form of exercise	for employees of one company:
None:	27%
Walking:	16%
Running:	7%
Golf:	12%
Weight Training:	23%
Other:	15%



61) A store manager kept track of the number of newspapers sold each week over a seven-week period. The 61) results are shown below.

63, 34, 206, 184, 259, 245, 232

Find the median number of newspapers sold.

A) 184 newspapers

B) 206 newspapers

C) 175 newspapers

D) 232 newspapers

Find the mean for the given sample data. Unless otherwise specified, round your answer to one more decimal place than that used for the observations.

62) Last year nine employ	ees of an electronics comp	any retired. Their ages at ret	irement are listed below. Find	62)
the mean retirement ag	e.	ingretired. Their ages at ret		02)
55 61 65				
52 60 58				
59 54 56				
A) 57.1	B) 58.0	C) 57.8	D) 56.5	
63) The students in Hugh L below. Find the mean s	Logan's math class took the core.	Scholastic Aptitude Test. T	heir math scores are shown	63)
575 501 344 356 497				
349 343 607 470 482				
A) 461.6	B) 476.0	C) 452.4	D) 443.5	
64) The table below gives t	he total spectator attendan	ce for various U.S. sports in	1997	64)
Sport	Attendance (m	nillions)		
Pro Baseball	64.9			
College Basketball	(Men's) 27.7			
College Basketball	(vvomens) 6.7			
College Football	36.9			
Pro Football	14.8			
Pro Hockey	17.1			
Find the midrange of the	nese attendance numbers.			
A) 23.8000008 millio	n	B) 22.9000008 mill	ion	
C) 35.8 million		D) 35.8 million		
65) The grocery expenses f mean grocery bill. Rou	or six families were \$77.09 nd your answer to the near	, \$76.90, \$53.00, \$65.69, \$51.9 rest cent.	5, and \$84.23. Compute the	65)
A) \$68.14	B) \$81.77	C) \$102.22	D) \$69.77	
7 4 00111	2) \$0117	0) \$ 102.22	2) +0////	
nd the range for the set of data	given.			
66) 119 522 167 636	447 268			66)
A) 101	B) 517	C) 522	D) 119	
67)				67)
Value   Frequency				
13 2				
21 5				
25 4 28 3				
36 3				
A) 23	B) 22	C) 49	D) 24	
se the standard normal curve ta	ble to find the closest z-s	core for the given conditior	h.	
68) 25.1% of the total area i	s to the right of z			68)
A) -0.68	B) 0 33	C) -0.67	D) 0 67	/
19 0.00	D, 0.00	0, 0.07	<b>D</b> ( 0.01	

69) 82.9% of the total are	ea is to the left of z.		
A) 0.95	B) -0.95	C) -0.96	D) 0.96

69)

In a school survey, students showed these preferences for instructional materials. Answer the question.



Find the mean of the set of data.

77) 12, 8, 5, 7, 13				77)
A) 9	B) 11.25	C) 46	D) 10	
78) 7.67, 18.08, 8.32, 4.52, 4. Round your answer to	29, 13.90, 18.14, 16.43 two decimal places.			78)
A) 11.42	B) 7.10	C) 12.05	D) 10.15	
79) 11, 10, 1, 18, 5, 5, 4, 10				79)
A) 9.14	B) 7	C) 21	D) 8	
1989, 1990 1989, 1990 1989, 1990 1989, 1990 1980				
80) Which month in 1990 h	ad the highest sales?			80)
A) Month 12	B) Month 3	C) Month 5	D) Month 6	
81) What were the total sal	es for the first 6 months of 1	989?		81)
A) \$46,000	B) \$290,000	C) \$240,000	D) \$366,000	

Use the given data to construct a frequency and relative frequency distribution.

82) A medical research team studied the ages of patients who had strokes caused by stress. The ages of 34 patients who suffered stress strokes were as follows.

29 30 36 41 45 50 57 61 28 50 36 58 60 38 36 47 40 32 58 46 61 40 55 32 61 56 45 46 62 36 38 40 50 27

Construct a frequency and relative frequency distribution for these ages. Use 8 classes beginning with a lower class limit of 25.

A)

Age	Frequency	<b>Relative Frequency</b>
х	f	f/n
25-29	3	3/34 ≈ 9%
30-34	3	3/34 ≈ 9%
35-39	6	6/34 ≈ 18%
40-44	4	4/34 ≈ 12%
45-49	5	5/34 ≈ 15%
50-54	3	3/34 ≈ 9%
55-59	5	5/34 ≈ 15%
60-64	5	5/34 ≈ 15%

C)

Age	Frequency	Relative Frequency
Х	f	f/n
25-29	3	3/34 ≈ 9%
30-34	3	3/34 ≈ 9%
35-39	7	7/34 ≈ 21%
40-44	4	4/34 ≈ 12%
45-49	4	4/34 ≈ 12%
50-54	3	3/34 ≈ 9%
55-59	5	5/34 ≈ 15%
60-64	5	5/34 ≈ 15%

Use the regression line to predict the value of y.

83)									
	Х	0	3	4	5	12			
	У	8	2	6	9	12	•		

What is the predicted value of y when x = 15?

A) 12.8 B) 15.5	C) 12.5	D) 9.1
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84) \_ 84) Nine pairs of data yield the regression equation y' = 19.4 + 0.93x. What is the best predicted value of y for x = 45?

A) 64.7	B) 61.3	C) 79.6	D) 57.8

Age	Frequency	<b>Relative Frequency</b>
х	f	f/n

Х	I	1/n
25-29	3	3/100 = 3%
30-34	3	3/100 = 3%
35-39	6	6/100 = 6%
40-44	4	4/100 = 4%
45-49	5	5/100 = 5%
50-54	3	3/100 = 3%
55-59	5	5/100 = 5%
60-64	5	5/100 = 5%
		•

D)

B)

Age |Frequency|Relative Frequency

3		
х	f	f/n
25-30	4	4/34 ≈ 12%
30-35	3	3/34 ≈ 9%
35-40	6	6/34 ≈ 18%
40-45	4	4/34 ≈ 12%
45-50	5	5/34 ≈ 15%
50-55	3	3/34 ≈ 9%
55-60	5	5/34 ≈ 15%
60-65	5	5/34 ≈ 15%





Find the mean for the given frequency distribution.

87)					87)
Value	Frequency				
165	2				
182	6				
254	4				
292	7				
327	1				
402	1				
A) 24	48.1	B) 274.3	C) 77.2	D) 254.3	
Find the median.					
88) 3, 5, 19,	, 24, 38, 38, 45				88)
A) 19	9	B) 38	C) 25	D) 24	
89) 7, 4, 26,	, 14, 47, 45, 33				89)
A) 14	4	B) 33	C) 25	D) 26	

86)

18

90)				90)
3.5 1.6 2.4 3.7 4.	1			·
3.9 1.0 3.6 4.2 3.	4			
3.7 2.2 1.5 4.2 3.	4			
2.7 0.4 3.7 2.0 3.	6			
<b>A)</b> 3.50	B) 2.94	C) 3.45	D) 3.40	
Find the correlation coefficie	ent for the given data.			
91) Two separate tests randomly selected	are designed to measure a stuc to take both tests and the result	dent's ability to solve proble ts are shown below.	ems. Several students are	91)
Test A     48     52     5       Test B     73     67	58     44     43     43     40     51     59       73     59     58     56     58     64     74			
A) 0.867	B) 0.714	C) 0.109	D) 0.548	
92) Two different tests randomly selected Productivity 23 Dexterity 49	are designed to measure emplo and tested with these results. 25 28 21 21 25 26 30 34 53 59 42 47 53 55 63 6	oyee productivity and dexte 4   36 7   75	erity. Several employees are	92)
<b>A)</b> 0.115	B) 0.986	C) -0.280	D) 0.471	
SHORT ANSWER. Write the	e word or phrase that best com	pletes each statement or a	nswers the question.	
Make a bar graph to represer	nt the data.			
93) The following table 1). Create a vertical	e shows the number of female in I bar graph.	nfants born at Hospital X o	n New Year's Day (Jan. 93)	
No. of Fem	nale			
Year Infants Born.	Jan 1			
1970 21				
1971 12				
1972 18				
1973 30				
1974 27				
1773 24				

94) The table lists the winners of the Wimbledon women's singles title for the years 1976-1995. Construct a vertical bar graph for the given relative frequencies.

Winner	Frequency	Relative frequency	Î
C. Evert	2	0.10	
V. Wade	1	0.05	
M. Navratilova	a 9	0.45	
C. Martinez	1	0.05	
S. Graf	6	0.30	
E. Goolagong	1	0.05	$\longmapsto$

19

94) \_\_\_\_\_

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

At one high school, the mean time for running the 100-yard dash is 15.2 seconds with a standard deviation of 0.9 seconds. The times are very closely approximated by a normal curve. Find the percent of times that are:

95) Greater than	16.1 seconds					95)
A) 16%	E	<b>3)</b> 15.5%		C) 2%	D) 13.5%	
96) Less than 17	seconds					96)
A) 98%	E	8) 84%		C) 97.7%	D) 2.5%	
97) Greater than	13.4 seconds					97)
A) 97.7%	E	<b>3)</b> 2.5%		C) 84%	D) 98%	
98) Between 17 a	and 17.9 seconds					98)
A) 16%	E	3) 2%		C) 13.5%	D) .5%	
Find the indicated pro	bability.					
99) The table she	ows the percentage	of college	e students who pr	refer a given pizza topping.		99)
toppings	eshman sophomore	junior se	nior			
cheese	5.19 7.55	11.79 1	0.38			
meat	9.43 10.38	7.55	5.19			
veggie	7.55 5.19	9.43 1	0.38			
What is the p hundredth.	probability that a ra	ndomly s	elected student p	refers cheese toppings? Rou	und to the nearest	
A) 0.30	E	3) 0.35		C) 0.33	D) 0.10	
SHORT ANSWER. W	rite the word or ph	rase that	best completes e	ach statement or answers t	he question.	
Construct the specified	d histogram.					
100) In a survey, below. Cons	20 voters were aske truct a histogram .	d their ag	ge. The results are	summarized in the frequer	ncy table 100)	
Age of Nur voters 20-29	mber of voters 5					