Date	Class	

LESSON Practice B

6-5 Frequency Tables and Histograms

Mr. Allen said that his students could choose one day a week to not have homework assigned. He recorded their votes in the box below.

Monday	Friday	Thursday	Friday	Wednesday
Friday	Tuesday	Wednesday	Friday	Monday
Tuesday	Monday	Friday	Monday	Friday

- **1.** Make a tally table to organize the data. Which day got the most votes?
- 2. Use your tally table from Exercise 1 to make a cumulative frequency table. How many students voted in all?

Tally Table for Homework Votes

Mon	
Tues	
Wed	
Thurs	
Fri	

Day Frequency		Cumulative Frequency							
Mon									
Tues									
Wed									
Thurs									
Fri									

Number of Votes

3. Use the data in the box below to make a frequency table with intervals.

Class Social Studies Test Scores									
78 95 81 83 75 68 100 73 92									85
59	70	88	92	99	87	75	67	89	84

Class Social Studies Test Scores									
Scores									
Frequency									

4. In which range of scores did most of the students' tests fall?

LESSON Pra 6-5 Fred Mr. Allen said not have hor	ctice B quency Table d that his stud mework assign	<i>es and Histo</i> ents could cho ed. He recorde	ograms ose one day a d their votes	a week to in the		LESSON P 6-5 F During a blue, and	Practic Frequent car trip, 1 green ca	ce C Cy Table Antoine co ars he pas	es and Hist bunted the nu sed on the hi	<i>ograms</i> mber of red ghway. He r	l, black, recorded	
box below. Monday	Friday	Thursday	Friday	Wednesda	y	the result	ts in the bla	box below	blue	green	red	
Friday Tuesday	Tuesday Monday	Wednesday Friday	Friday Monday	Monday Friday		blue red	red gre	en	black red	blue red	black black	
1. Make a ta data. Whi	ally table to orga ch day got the r	anize the nost votes?	2. Use your make a c	tally table from umulative frequ	Exercise 1 to ency table.	1. Use th	ne data to	make a cu	umulative		Number of Ca	ars
Friday			How mar 15 stude	ny students vote	d in all?	Antoir	ne count i	n all?	y cars did	Color	Frequency	Cumulative Frequency
Telly Tr	bla for Homou	vork Votoo		Number of Vo	otes	2 Which		car did Ant	oine count	red	6	6 10
Mon		VOIK VOIES			Cumulative	most	often?			blue	3	13
Tues	11		Day	Frequency	Frequency	red				green	2	15
Wed			Tues	2	6	3. Use th	ne data in	the box be	elow to make a	frequency t	table with	
Thurs	1		Wed	2	8	interva	als.				h.'	
Fri	HT I		Thurs	1	9	4. Use y 5. To wh	our treque ich age g	roup did m	ost of the drive	з to make a ers belona?	nistogram. 16–25	
			Fri	D	15		5 - 5					
 Use the d intervals. 	lata in the box b	elow to make a	frequency tab	le with		17 29	8 65	Ages	of Drivers at	Truck Stop	8 30 /2	58
	Class So	aial Studios To	et Seores			61 33	3 03	46 52	+ +7 55 2 55 41	48 1	9 23 25	22
78 95	5 81 83	75 68	100 73	92 85		Ages	of Driver	s at Truck	Stop Possil	le answer	S: Ages of Drive	rs at Truck Stop
59 70	0 88 92	99 87	75 67	89 84		Age Int	tervals	Freque	ncv	1	10	
Possible	e answer:					16-	-25	7	,		8	
	Class So	cial Studies Te	st Scores			26-	-35	5		lency	7 6	
Scores	51-60	61-70 71-	80 81–90	91–100		36-	-45	3		requ	5 4 -	
Frequer	ncy 1	3 4	1	5		46-	-55	6		-	3	
4. In which r <u>81–90</u>	range of scores	did most of the	students' tests	i fall?			00	Ŭ			16 25 25 35 Ages o	the state of Drivers
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	teach					LESSON	letead	h				
6-5 Free	quency Tabl	es and Histo	ograms			<u>6-5</u> F	requen	cy Table	s and Hist	ograms (continued)	
Julie picked	the following ca	rds from a deck				Sometim	ies, you c n.	an make a	frequency tab	le with interv	als or a	
	 <!--</th--><th> ✓ ▲ ▲</th><th>* * * * *</th><th>* * * * * *</th><th>** * * * * *;</th><th>Numb Comp</th><th>er of Jun leted in 3</th><th>nping Jack 30 Second 32 3</th><th>A frequ s the dat</th><th>iency table o a with interv umping Jac</th><th>can organize rals. ks</th><th></th>	 ✓ ▲ ▲	* * * * *	* * * * * *	** * * * * *;	Numb Comp	er of Jun leted in 3	nping Jack 30 Second 32 3	A frequ s the dat	iency table o a with interv umping Jac	can organize rals. ks	
You can make the data. Mac cards. Then mark in the a	ke a tally table t ke a row for ea for each card, r appropriate row	o organize ch suit of nake a tally	Clubs Spa	Julie's Cards ades Hearts	Diamonds	31 42 47	38 55 49 18 37 19	43 5 22 1 31 3	2 Inter 5 1–1 7 11–1	val Frequencies 0 0 20 4	uency D 4	
									21-	30 30	3	
1. Make a ta	ally table to orga	inize the data.							41-	50 4	4	
Rolls o	of a Number Cu	lbe	Rolls of a N	umber Cube	_				51-	60 2	2	
2 3 3 3	6 5 1 4 5 1 6 1	4 1	2 3 	4 5	6 	A histogr number o interval.	ram is a b of values	ar graph th that occur	at shows the within each	18 per	Jumping	Jacks
A frequency	table tells the			Julie's Cards		You mak	e a histog	gram the sa	ime way you	Nun je)		
category, or	group occurs.	Card	Clubs Sp	ades Hearts	Diamonds	bars touc	y other ba	ar graph, ex lo not over	kcept that the lap.) do do Leobr		
The cumulat	ive frequency	Frequency	2	3 4	1	Here is a	a histogra	m for the fr	equency table	ane 2 of d		
the frequence	sies.	Cumulative	2	5 9	10	above.				e 1 E 0	10 00 00	0 60 60
To make a fr	requency table	requency									1 N 2 3	Nº 51
for each type	e of card.Then										Number of Ju	mping Jacks
use the tally frequency of	table to find the picking each	9						moles	ato arc	Dessible	anewor	
type of card.	type of card.						ie data to	rnake a hi	siogram.	FUSSIBle	a115WEF:	
						Pa	Total Boo articipant	ks Read b is in Sumn	ner	ber	Summer Rea	ding Totals
2. Make a trequency table for the tally table you made Exercise 1.							Reading	g Program				
Roll Frequency Cumulative Frequency	Roll o 1 2 4 1 9 4 5	f a Number Cl 3 4 3 2 8 10	ube 5 6 2 2 12 14			5 2 4 3	3 9 5 1 5	8 7 10 1 7 3 0 10 8 2	6 2 5 4	Frequency () of Peop	0–2 3–5 (Number of B	5–8 9–11 Jooks Bead
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