Section C: <u>Homework</u>

		n ar g in							es a	a ra	nd	om	sa	mp	le	of 3	30	hou	ısel	holo	sk	anc	d fi	inds	s th	e f	follo	owi	ing	g number (of people
3	4	1	2	5	6	4	4	2	2	4	4	3	5	4	6	5	3	4	4	5	4	3	4	4	3	5	4	3	6	5	
a)	Co	onst	tru	ct a	a fre	equ	uen	псу	ta	ble.			b)	A						-		-							-	uency tabl	-
c)	Н	OW I	ma	ny	hou	use	eho	olds	s co	onta	ain	4 p	eo	ple	·? _																
													ont	tair	n b	etw	/ee	en 2	: an	d 5	р	eop	le	, ind	clus	Siv	e? ₋				
e)	Co	onsi	tru	ct a	fre	equ	neu	ncy	hi	stog	gra	m.																			
f)	De	scri	be	the	e sh	ар	e c	of t	he	dis	trik	out	ion																		

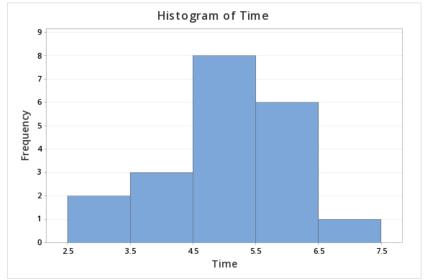
2) Th												of	42	2 gaı	nes	es with the total number of runs scored in the
4 5 5 6																
a) Co	onst	truct	a fr	eque	ency	' tal	ble.				b					tive frequency column to the frequency table yo d in part (a). (Round to two decimal places.)
c) Ho	c) How many games had 3 total runs scored?															
d) W	d) What percent of the games had a total of 4 runs scored?															
e) C	ons	truct	taf	requ	ency	y hi	sto	grar	n.							
f) De	scri	be th	ne sl	hape	of t	he	dis	tribu	ıtio	n						

-	articular intersection. She keeps track of the number of cars that enter the intersection at randomly hosen times of the day between 8am and 10pm over the course of 60 days. The results are as follows:																			
20	15 33 43	42	57	44	47	43	41	46	38	53	51	45	57	62	60	21	37			
	Cons (star			-			ble.			-					-		-			the frequency table you decimal places.)
c) ł	How	man	ıy da	iys o	f the	e we	ek w	vere	ther	e m	ore t	han	30 d	cars	at th	ne in	ters	ectic	n? _	
d)	Cons	stru	tt a f	requ	ueno	y his	stogi	ram.												
e)	Desc	cribe	the	sha	pe o	f the	e dis	tribu	ition	?										
f)	Do y	ou tł	nink	ther	e ne	eds	to b	e a t	raffi	c lig	ht at	the	inte	ersec	tion	1?			W	hy?

3) Lisa Hertscar, civil engineer, needs to determine if a traffic light needs to replace a stop sign at a

-	4) The following data shows the number of minutes a random sample of 50 patrons needed to wait to renew their license at the Bakers Basin location.																		
20.3	13.5	55.2	18.6	65.7	37.3	38.7	41.3	43.5	32.7	20.7	27.4	25.1	27.3	37.2	35.9	27.4			
											19.5		32.5			47.2			
43.9	55.6	65.2	31.7	42.6	44.7	53.8	35.2	25.7	31.3	47.3	42.3	32.5	22.7	42.7	37.2				
a) Co	onstru	ct a fr	equen	cy tab	le.		b) A	b) Add a relative frequency column to the frequency table you											
(sta	rting v	vith 10) € 20))			constructed in part (a). (Round to two decimal places.)												
c) Ho	ow ma	ny pe	ople w	aited	betwe	en 40	and 6	0 minu	ıtes, ir	ncludir	ng 40 b	ut not	includ	ding 60	ວ?				
	c) How many people waited between 40 and 60 minutes, including 40 but not including 60?																		
d) W	d) What percent of the people waited between 10 and 30 minutes, including 10 but not including 30?																		
.,	d) What percent of the people waited between 10 and 30 minutes, including 10 but not including 30?																		
e) Co	onstru	ct a fr	equen	cy hist	togran	٦.													
f) De	escribe	the s	hape c	of the	distrib	ution ?													

5) The following histogram was the result of a study done by Justin Time to determine the time it took students to write a computer program and run it successfully.



- a) How many students participated in Justin's study?_____
- b) How many students in the study took 5.5 hours or more to write and successfully run their program?_____
- c) What percent of students in the study wrote and successfully ran their programs in less than 4.5 hours?____
- d) What percent of students took from 3.5 hours up to but not including 6.5 hours to write and successfully run their programs? _____
- e) In which of the five intervals would the median time be? _____