# Warm up

1. What is the mean, median and range of both MIN (minutes played) and PTS (points) for the Lakers team from Friday night?

Los Angeles Lakers				
STARTERS	MIN	PTS		
Wesley Johnson, SF	36	12		
Pau Gasol, C	39	22		
Kendall Marshall, PG	19	0		
Jodie Meeks, SG	33	22		
Kent Bazemore, SG	27	12		
Jordan Farmar, PG	29	30		
MarShon Brooks, SG	26	23		

- 2. What would happen to the mean, median, & range if the outlier were removed from both data sets.
- 3. Which player had the most points per minute for the game?

Math 1	12.2 Frequency and Histograms	Unit 3			
Frequency: The number of	ath Values in an interval				
Frequency: The number of					
Frequency tables do not overlap, do not have any gaps, and are usually of equal size					
Frequency tables do not overlap, do not have any gaps, and are usually of equal size  Histogram: A graph that can display data from a					
Cumulative Frequency Tables: S	hows the number of values that lie in a gi	ven interval.			
Making a Francisco Table					

The numbers of home runs by the batters in a local home run derby are listed below. What is a frequency table that represents the data? 7, 17, 14, 2, 7, 9, 5, 12, 3, 10, 4, 12, 7, 15

+			
	Home Runs	Tally	Frequency
	2-5		7
	6-9		Ę
	10-13		jo Va
	14-17		3

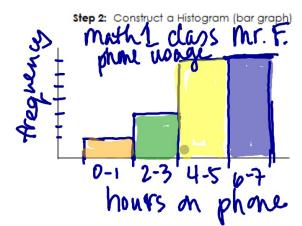
## Making a Histogram

Think about the amount of hours you spend on your phone (homework, apps, texting, <u>Snapchatting</u>, etc.) and write it down. We will create a frequency table and histogram with the class's data.

Step 1: Create a frequency table.

Hours of Phone	F
0-1	- 1
2-3	3
4-5	7
6-7	7
8-9	6



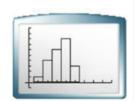


## Shapes of Histograms

You can describe histograms by their shape. Three different types are listed below.







## Making a Cumulative Frequency Table

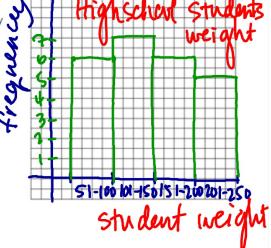
# of Texts	0-7	8-15	16-23	24-31	32-39	40-47	48-55
Frequency	H	2	3	2	1	1	1
Cummulative Frequency	11	13	16	18	19	20	21

#### Practice:

 The following data consists of the weights, in pounds, of 24 high school students: 195, 206, 120, 96, 150, 210, 195, 106, 195, 108, 180, 212, 104, 195, 108, 216, 97, 206, 116, 142, 100, 135, 98, 160

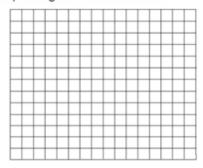
 a) Using this data, complete the accompanying cumulative frequency table and construct a frequency histogram on the grid below.

Interval	Frequency	Cumulative Frequency
51-100	6	6
101-150	7	13
151-200	lè l	19
201-250	7	24

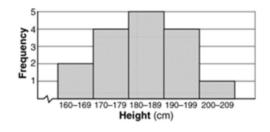


2. The scores on a mathematics tests were 70, 55, 61, 80, 85, 72, 65, 40, 74, 68, and 84. Complete the accompanying table, and use the table to construct a frequency histogram for these scores.

Score	Tally	Frequency
40-49		
50-59		
60-69		
70-79		
80-89		



3. The accompanying histogram shows the heights of the students in Kyra's health class.



What is the total number of students in the class?

a) 15

- b) 209

d) 5

4. Which one of the following histograms represents the data in the table below?

Interval	Frequency
4-8	8
9-13	3
14-18	10
19-23	5

