1. What	is data?				
What I think				class says	
				mation you	
			colle	ct or record	
2. What	are statistics?				
What I think		What my pair thinks		What the class says	
			Nun'	imbers that help	
			you	you understand For interpret thed	
Use t		e kept? ores to find each of the statistics. gie in 1 st quarter: 93%, 81%, 88%, 90)%, 62%	6281(88)90	
Statistic		Definition		From the Example Data Set	
Count	The number of pieces of data		5 scores		
Minimum	The piece of data with the lowest value			6270	
Maximum	The piece of data with the highest value			93%	
Range (also called spread)	The difference between the maximum and minimum			93-62 adal = 31%	
Mode	The piece of data that occurs most often (if there is one or two)			modal None	
Mean (a center of the data)	The average of the data (sum the data pieces and then divide by			82.876	
Median (a center of the data)	The middle of the data (it divides the data into an upper half and lower half)			88%	
Cluster	A group of data pieces with very similar values compared to the rest of the data placement				
Gap	A large empty spa	ce in the data		from 62 to 81	
Outlier	data	at does not follow the trend of the res		6270	
4. How	many ways can you	think to display data? Pie Char	t, bour o	graph,	
		DOT PIOT, DU	c bio.	coutterplo	
Would one of th	ece wave he a good	Stem & Leaf I	2104		
would ally of th	ese ways be a good	way to display the data set above? Bot Plot Stem & Lea	F		

Name:

Unit 2 Day 1: Dot Plots

A. Data and Statistics

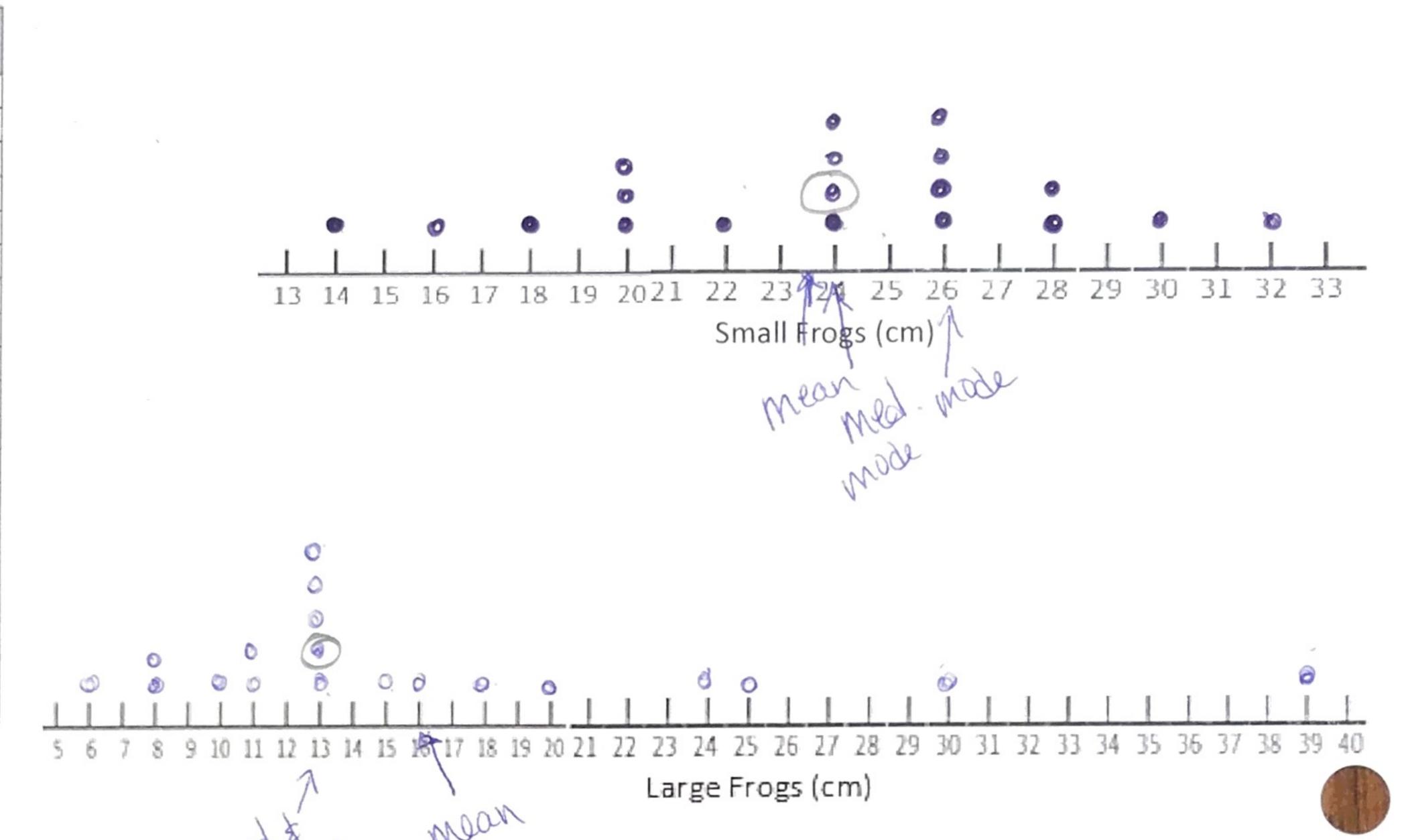
Focus Question: How do I make and interpret a dot plot?

B. Dot Plots

A dot plot is a very basic data display that uses dots to represent each piece of data. It starts with a number line and then each piece of data is represented with a dot placed above the number line.

For each data set on the frogs, create a dot plot and answer the questions.

Small Frogs (cm)	Large Frogs (cm)
14 -	8
18 -4	11
24 ✓	13
26 🗸	15
28 🗸	30
26 🗸	6
30	25
32	13
22	24
26	13
20	16
24	20
20	13
24	13
20	11
16	18
24	10
26	8
28	39



Question	Small Frogs	Large Frogs
1. How many frogs jumped at least 26 cm?	8 frogs	2 frogs
2. What is the range of the jumps? 32	from 14 to 32 cm	from 6 to 39cm
-14	or 18 cm	or 33 cm
3. Find and label the mean, median, and mode?	Mean: 23.58	Mean: 16.1 cm
	CM	Median: 13 cm
	Median: 24cm	Mode:
	aqui	13cm
	Mode: bimodal	
	24 \$ 26cm	
4. Is the mean a good representation of the data?	Vos it is consist	ent Not really
	mismalle.	Its awaytri
	my dian & mod	ent Not really Its awayfri Que median
	Mac	I MO

Thinking Question: If the large frogs had another jump 40 inches, which "center" would be affected more?

it is easily changed by extrem