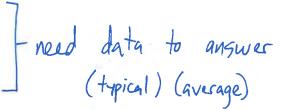
Algebra 1 Unit 1 Test Review

1.1 INTRODUCTION

1. Numerical Statistical Question Ex:



- 2. Categorical Statistical Question
- "fact", no variability 3. Non-Statistical Question Ex:

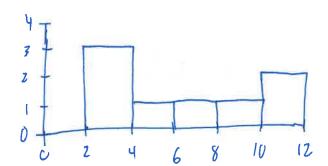
1.2 & 1.3 DATA REPRESENTATION

- 1. Box Plot
 - 5 Number Summary:

2. Histogram 11

Frequency Table:

0-2	0
2-4	3
4-6	1
6-8	
8-10	C
10-12	2

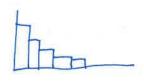


1.4: SHAPES

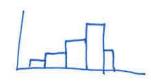
3. Dot Plot

1. Shape of Distribution (Draw histograms)

Skewed right







Uniform

Bimodal

Bell-shaped

What is another name for the last the shapes?

symmetric

^{**}Be able to name the shapes given a graph and be able to draw a graph given a name!**

	My.
1.10: THE EFFECTS OF EXTREMES	pulled right
Bell, Uniform Distributions (aka	2. Roughly Skewed to the right
Symmetric)	Center of graph and why?
Center of graph and why? equal pull of men	· · · · · · · · · · · · · · · · · · ·
Mean Median	Mean Median
	mean is pulled right
Symmetric > USE mean + Sd 3. Roughly Skewed t	o the left near but median stays f
Center of graph and	why? mean
_	Pulled
Mean	Median
1.11 COMPARING AND CONTRASTING DATA DISTR 1. Draw a graph that has high variability 2. Draw	RIBUTIONS (Draw box plots) y a graph that has medium variability.
3. Draw a graph that has low variability 4. What	t doog variability many in a guart 0
4. What	t does variability mean in a graph?
	spread of data values
1.12 & 1.13 STANDARD DEVIATION (Draw dot plots) 1. Draw a graph that has a SMALL standard deviation. (Explain why) -> dots all close to	2. Draw a graph that has a BIG standard deviation (Explain why)
(not spread out)	
Y -	many dots aren't close plain why) lots of spread
3. Draw a graph with a standard deviation of 0. (Ex	plain why) lots of soread
	1140
	to spread
1.14 OUTLIERS How to calculate outliers given a set of data? low cutoff: $Q_1 - 1.5$ (IQR) high cutoff: $Q_3 + 1.5$ (IQR)	
When do you include an outlier in a set of data? When	do vou take out an outlier from a set of
data?	*
Always include unless you or	e sure it's an error
outliers should be invest	igated to check for errors