

# Matching Boxplots, Histograms, & Summary Statistics







(By Sandi Takis, adapted from *Activity Based Statistics*)

Revised and reformatted by Kathy Fritz, Plano West Senior High School

- Copy the following pages on cardstock. They can be laminated to preserve them for future use.
- Have students work with a partner to match the boxplot, histogram, & summary statistics
- Provide each pair with a page to record the matches

## Answers:

Histograms	Boxplots	Summary Statistics
I	A	5
II	C	1
III	D	8
IV	G	3
V	E	2
VI	F	6
VII	B	4
VIII	H	7

 <p><u>Mean</u> 50.08 <u>Median</u> 50 <u>Standard Deviation</u> 33.625</p>	 <p><u>Mean</u> 40.76 <u>Median</u> 38 <u>Standard Deviation</u> 21.171</p>	
 <p><u>Mean</u> 67.8 <u>Median</u> 74 <u>Standard Deviation</u> 17.049</p>	 <p><u>Mean</u> 49.4 <u>Median</u> 50 <u>Standard Deviation</u> 20.265</p>	
 <p><u>Mean</u> 68.72 <u>Median</u> 71 <u>Standard Deviation</u> 30.019</p>	 <p><u>Mean</u> 47.88 <u>Median</u> 41 <u>Standard Deviation</u> 19.020</p>	

7

Mean

52.32

Median

53

Standard Deviation

38.297

6

Mean

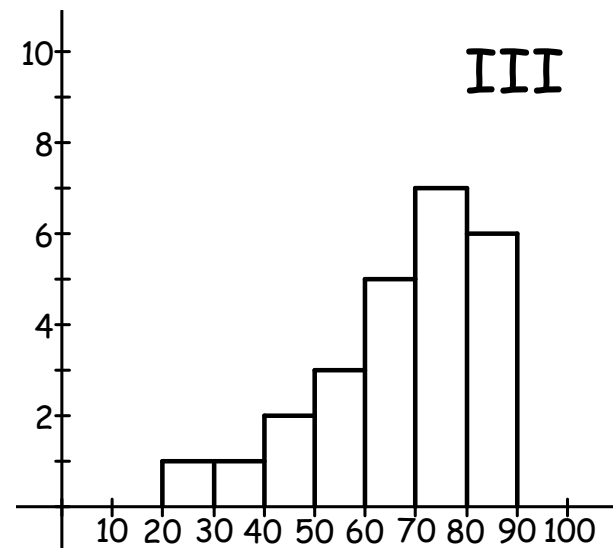
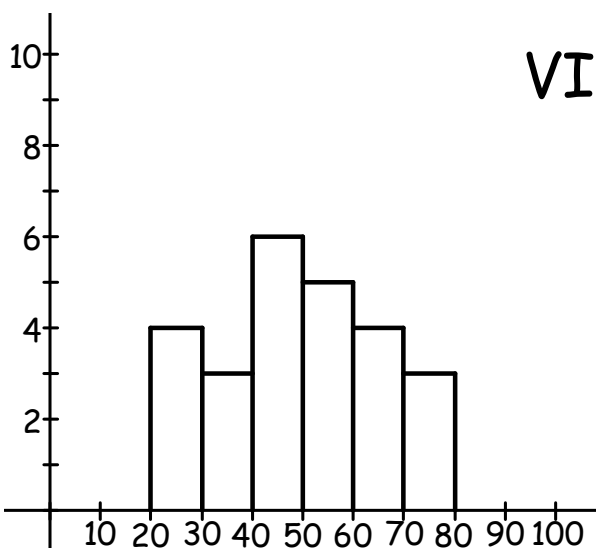
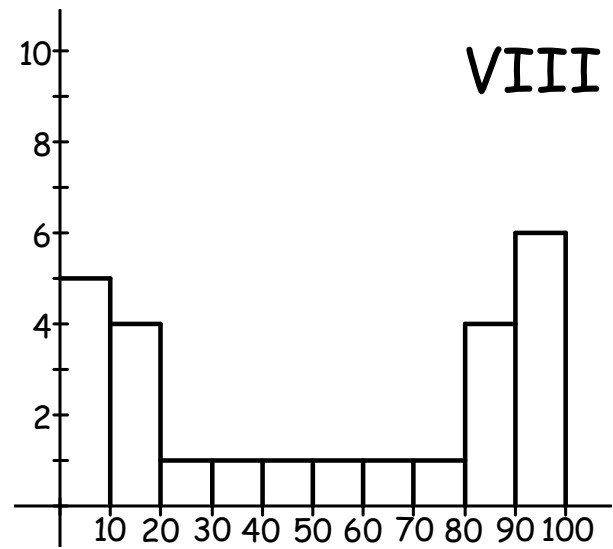
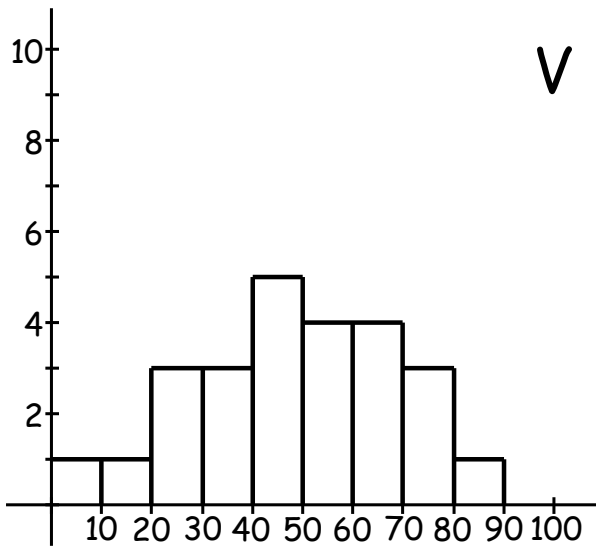
50.32

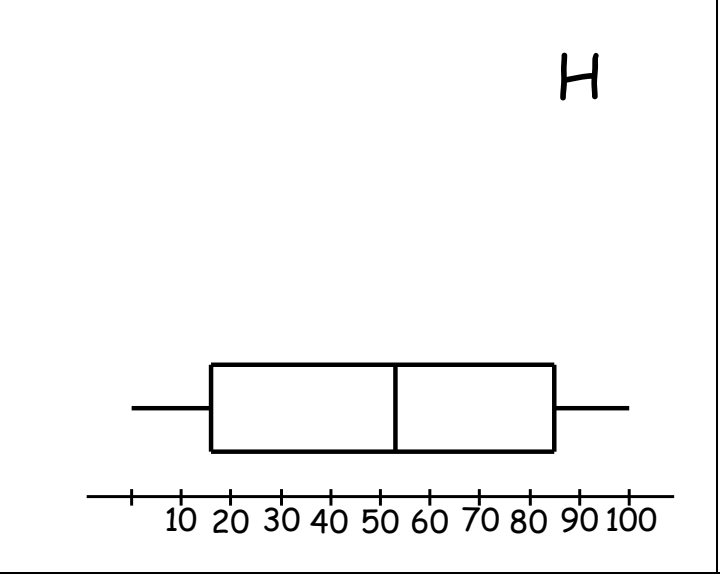
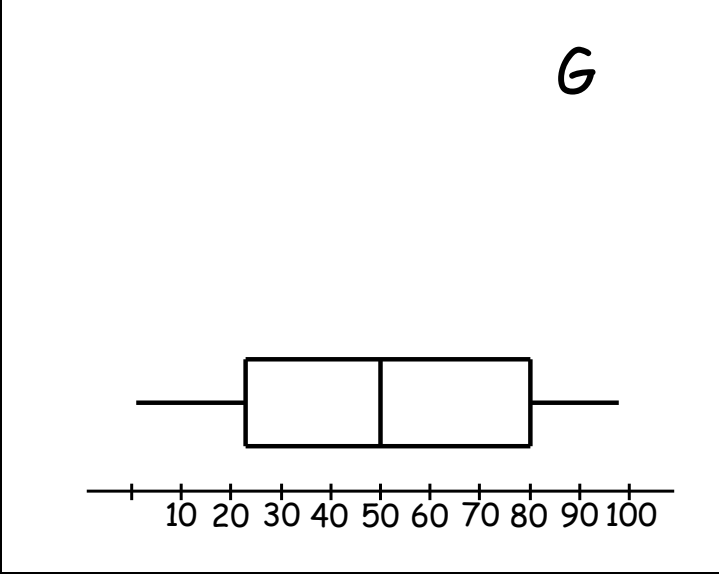
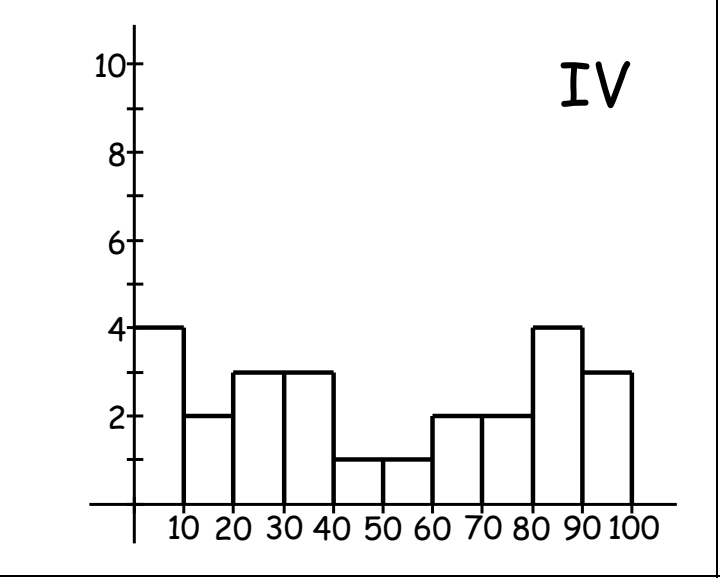
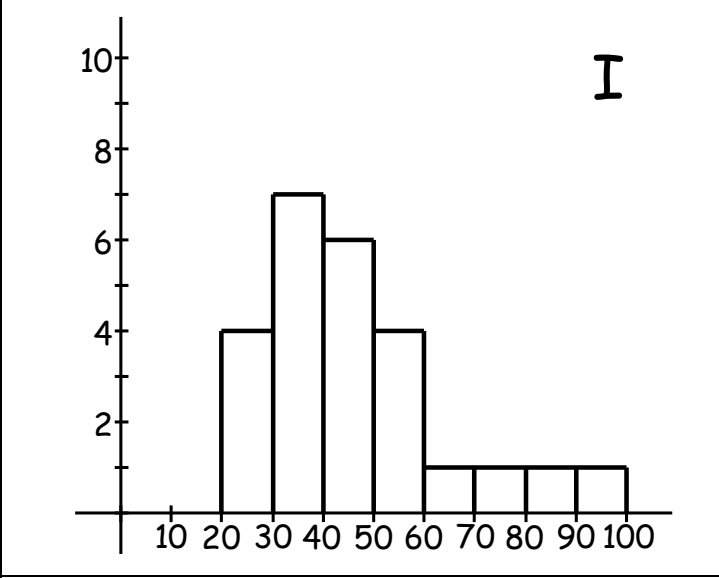
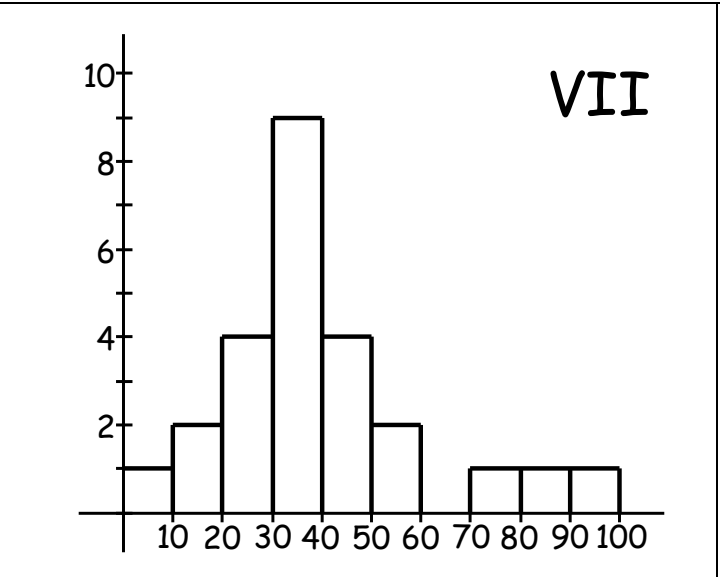
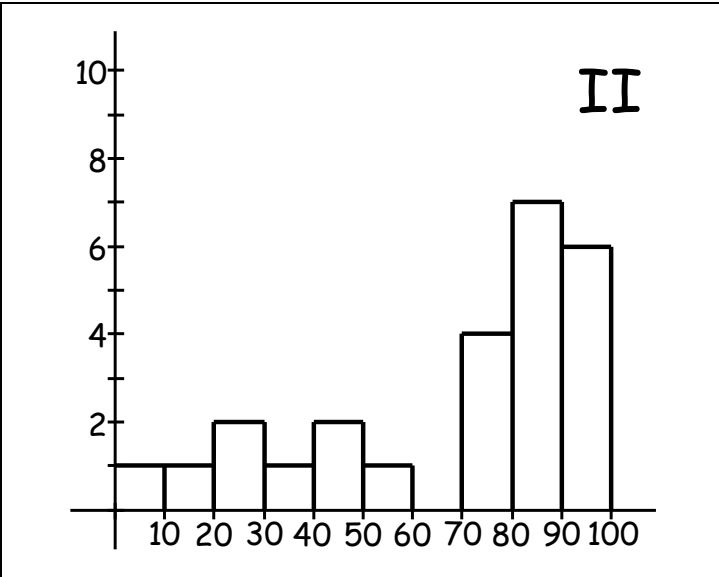
Median

50

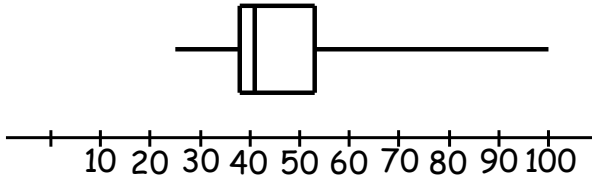
Standard Deviation

16.163

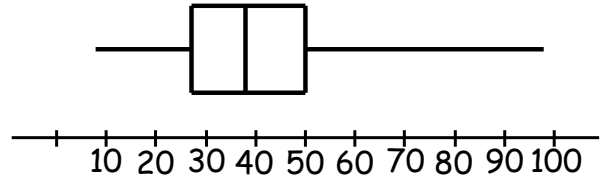




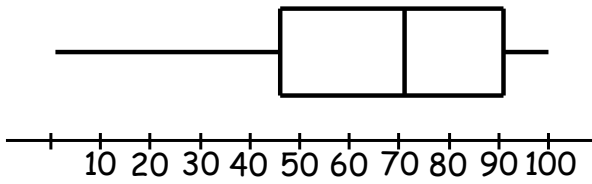
A



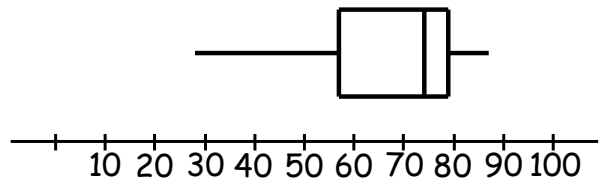
B



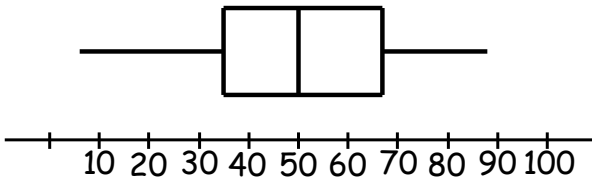
C



D



E



F

