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Warmup 4/ $|4 \cdot 3 \cdot 0 + 4 \cdot 3|$

- 1) Create a box plot using the following data numbers:
 - 30, 42, 27, 33, 35, 18, 24, 32, 55, 33, 47, 38

Check Homework

Study

Mean, Median, Mode

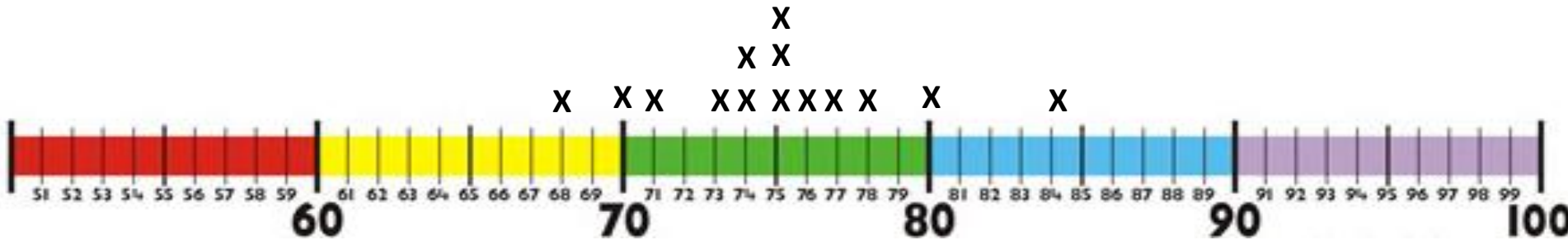
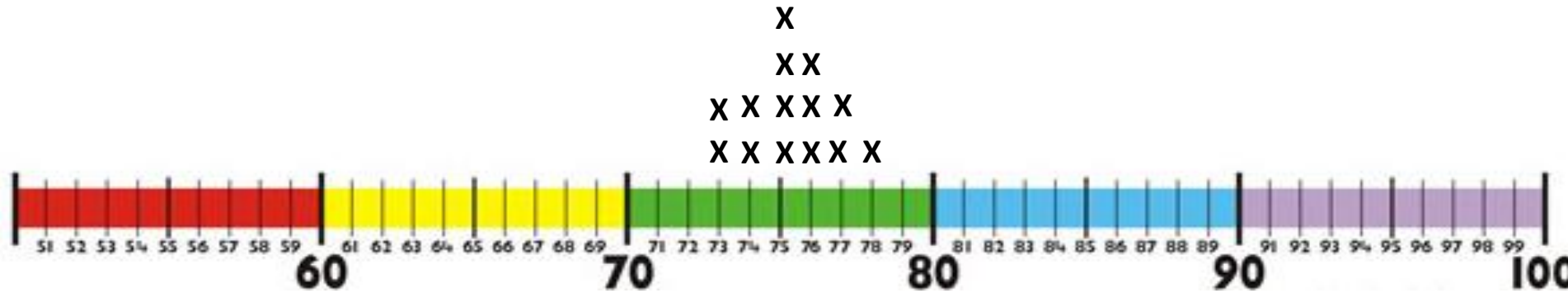
Stem and Leaf Plots

Dot Plots

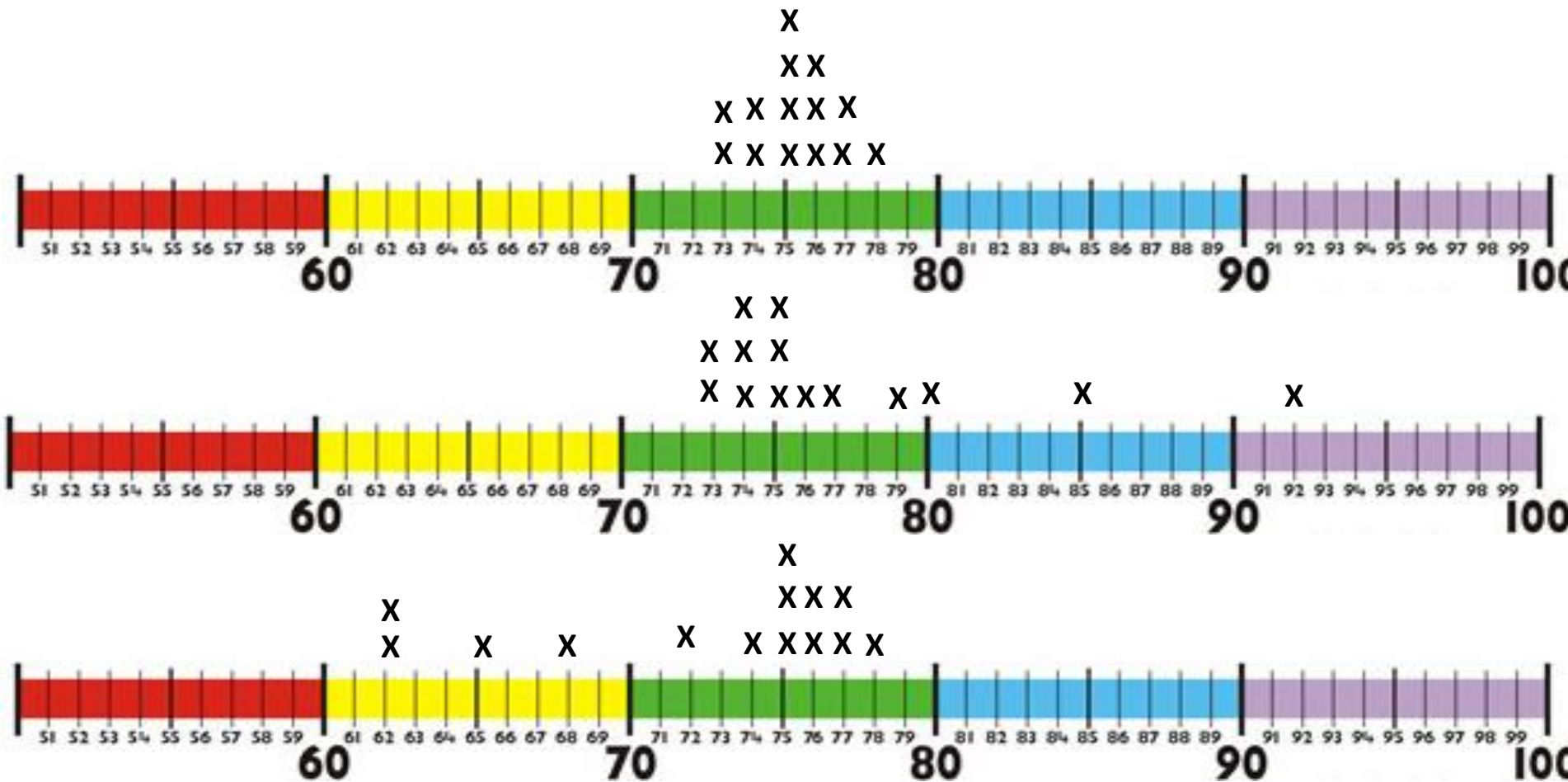
Histograms

Box and Whisker Plots

Frequency Tables

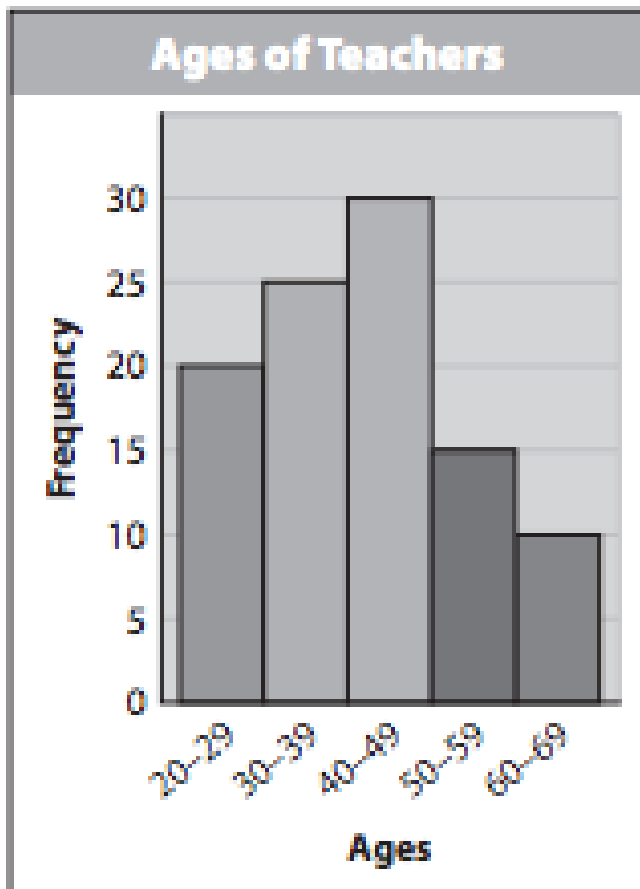


How are these data distributions similar & different?
How would the mean/median/range/IQR/standard deviation compare?

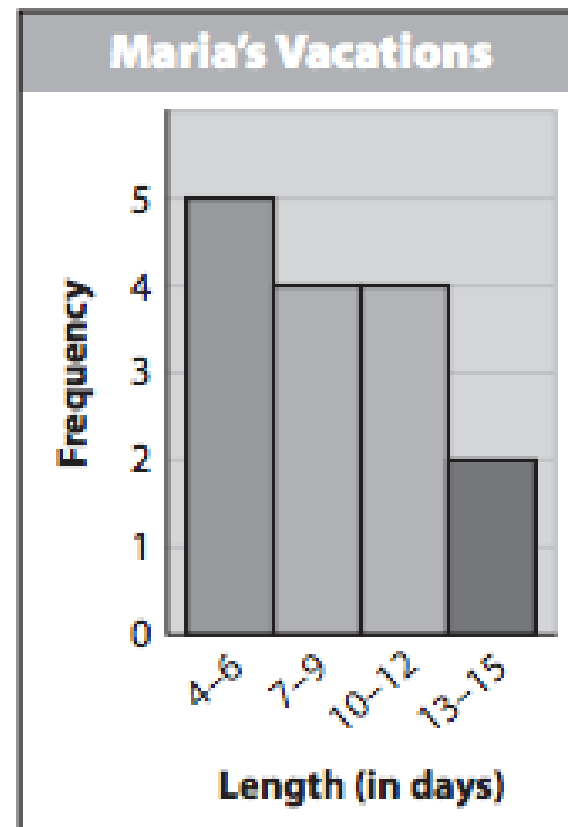


How are these data distributions similar & different?
 How would the mean/median/range/IQR/standard deviation compare?

Estimate the mean for each histogram.



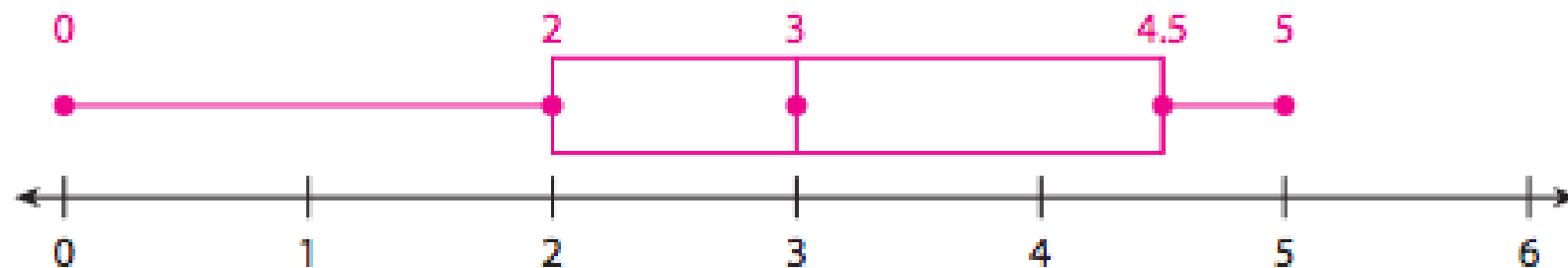
41



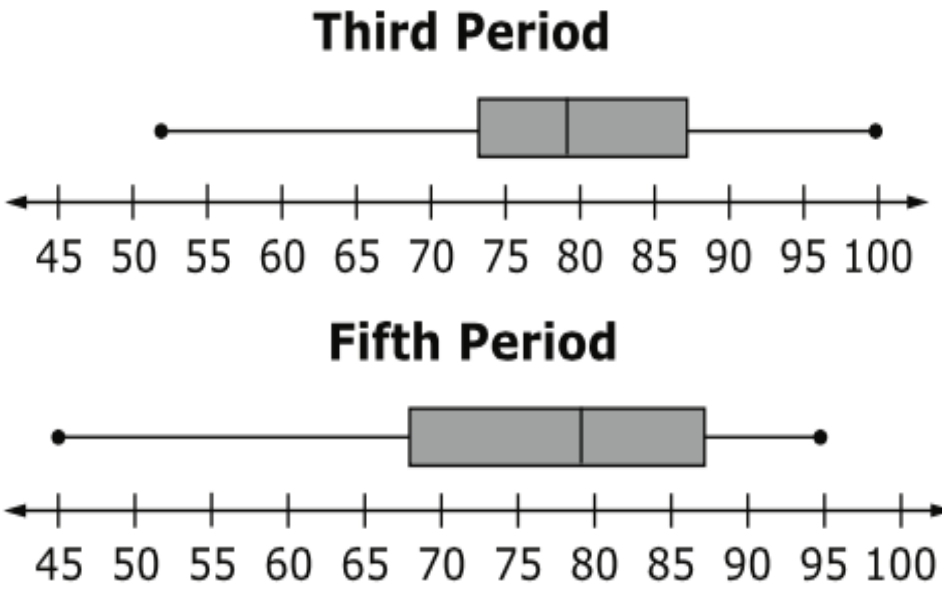
9

7 The numbers of field goals James' football team scored in 12 games are listed below.

3, 2, 5, 3, 5, 2, 1, 0, 5, 4, 4, 2



Two of Mr. Evan's Earth science classes have 23 students each. Box plots for recent test scores for these two classes are displayed.



Which statement(s) about the scores must be true? Select all that apply.

- A. The means of the two sets of data are equal.
- B. The lower quartiles of the two sets of data are the same.
- C. More students in third period than in fifth period scored an 87 or above.
- D. The number of students in third period who scored from 73 to 79 equaled the number of students in fifth period who scored from 68 to 79.

Suppose a set of data has a range of 80 but an IQR of 5. What would this mean in terms of the data?

Bella asked 125 boys if they liked Beyonce and if they liked Justin Timberlake. 75 boys said they liked Beyonce, and of those 30 liked Justin Timberlake as well. Of all those surveyed, 50 liked Justin Timberlake.

		Beyonce	
		Yes	No
Justin Timberlake	Yes	30	20
	No	45	30

1. Fill in the chart
2. Rounded to the nearest whole number, what is the percent of boys surveyed that like Beyonce? 60%
3. Rounded to the nearest whole number, what is the percent of boys surveyed that like Justin Timberlake?

40%

Review Worksheet

FINISH FOR HOMEWORK