Comparing Box-and-Whisker Plots Foldable

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Chevron Frame by Mercedes Hutchens

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Instructions

Print or copy page 3 and 4 double sided.

Place the paper so the examples are face down.

Cut along the dotted lines to create flaps.

Fold the paper in half with the examples inside.

Glue the foldable into notes or on a piece of construction paper.

Go through the foldable with your students.

Preview

Comparing Medians

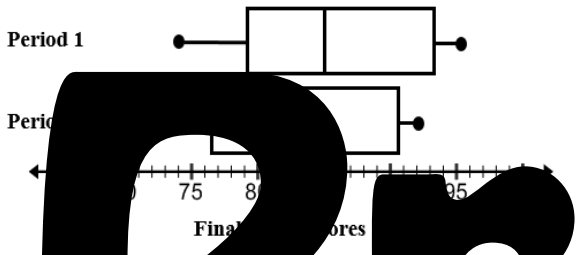
Comparing Ranges

Comparing Inter-quartile Ranges

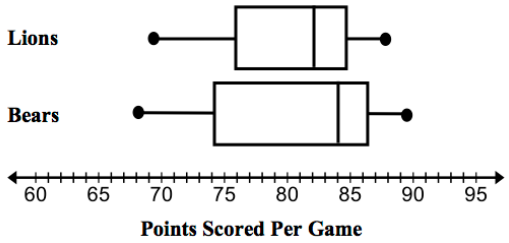
Comparing Medians

The median is the value exactly in the middle of a set of data.

1) The distribution of two periods final exam scores are shown below. Which class had a larger median?



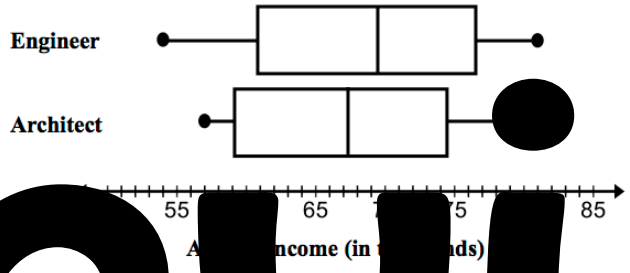
2) The distribution of the points scored by two basketball teams in their last ten games is shown below. Which team had a smaller median?



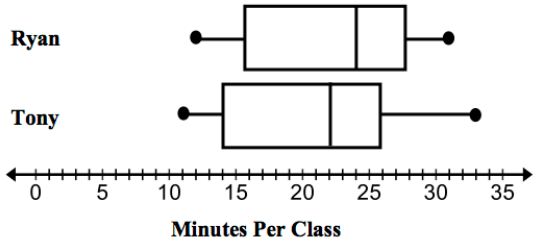
Comparing Ranges

The range is the difference between the maximum and minimum values in a set of data.

3) The annual incomes of two professions are shown below. Which profession has a larger range?



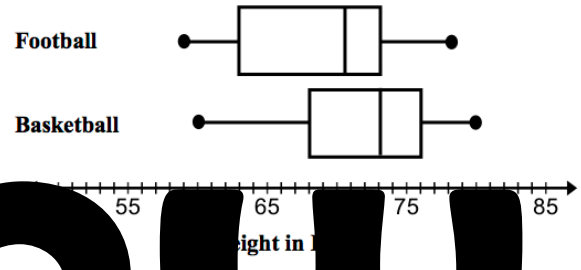
4) The minutes spent on two students homework for is shown below. Which person had a larger range?



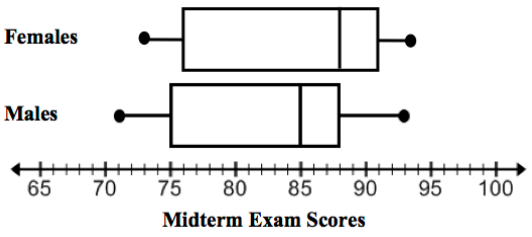
Comparing Inter-quartile Ranges

The inter-quartile range is the difference between the third quartile and the first quartile.

5) The heights of high school athletes are shown below. Which type of athlete has a larger inter-quartile range?



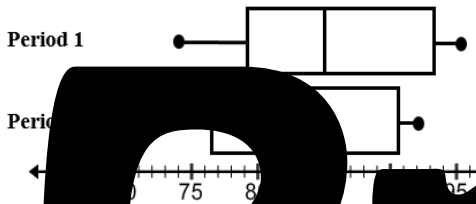
6) The distribution of midterm exam scores shown below. Which gender had a larger inter-quartile range?



Comparing Medians

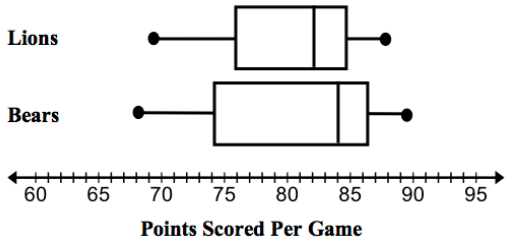
The median is the value exactly in the middle of a set of data.

1) The distribution of two periods final exam scores are shown below. Which class had a larger median?



– 85
ian = 81
has a larger media

2) T ribution of the p scored by asketball teams ir last ten s is shown below. Which team had a larger median?



Lions median = 82
Bears median = 84
The Bears have a larger median

Comparing Ranges

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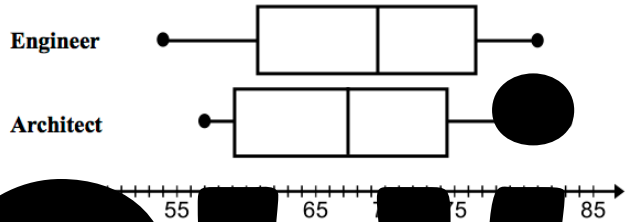
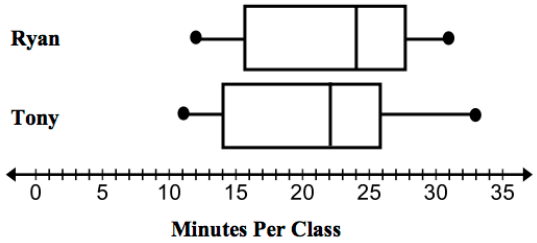
3) The annual incomes of two professions are shown below. Which profession has a larger range?



gine e = 81 – 27
Archite e = 83 – 26
The Eng as a la ange

4) The inutes two st 's ed for is below. person had a larger range?

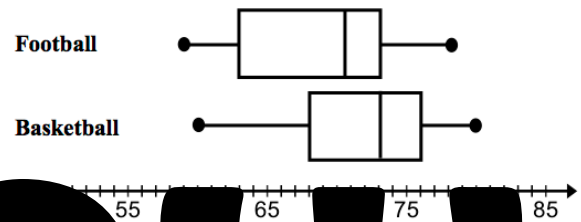


Ryan's range = 31 – 12 = 19
Tony's range = 33 – 11 = 22
Tony has a larger range

Comparing Inter-quartile Ranges

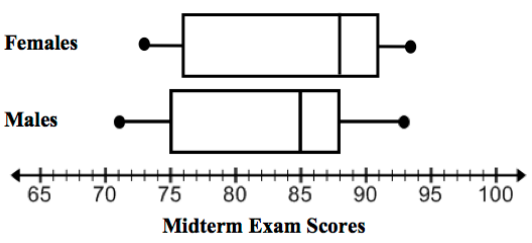
The inter-quartile range is the difference between the third quartile and the first quartile.

5) The heights of high school athletes are shown below. Which type of athlete has a larger inter-quartile range?



otba = 73 – 0
Basket R = 76 8
The foo thlete larg R

6) The stribu afe n scores hown be Whic der had a larger inter-quartile range?



Females IQR = 91 – 76 = 15
Males IQR = 88 – 75 = 13
The females have a larger IQR