

Robot Maths - Comparing statistics

Example:

Riley found the heights of some males and females in his year.

Males: 150cm, 165cm, 180cm, 152cm, 165cm, 172cm,, 162cm, 158cm

Females: 148cm, 149cm, 160cm, 153cm, 168cm, 159cm, 160cm, 145cm



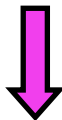
Who is taller? Why?



1) Calculate the median and the mean:

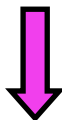
Males: Mean _____ Median _____

Females: Mean _____ Median _____



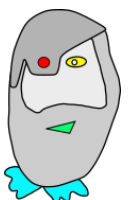
2) Write about the averages:

The median of the _____ is _____ more than the median of the _____. The mean of the _____ is _____ more than the mean of the _____.



3) Write a summary statement for the sample

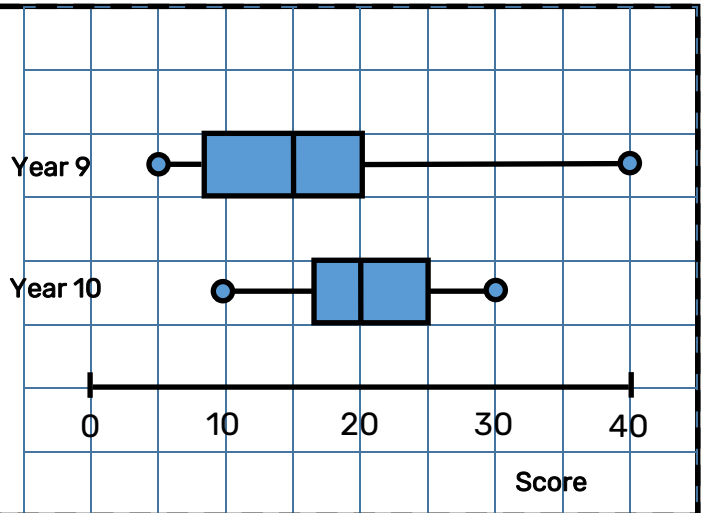
This means that the heights of the _____ tend to be higher than the heights of the _____ in this sample.



Robot Maths - Comparing box plots (part 1)

Example:

Staci gave the students in Years 9 and 10 a general knowledge quiz and wants to compare the results. She took a sample and drew box plots to compare them. What do they show?



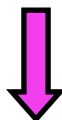
1) Write a sentence about the medians:

The median of the _____ is _____ and the median of the _____ is _____. The median of the _____ is _____ more than the _____.



2) Write a sentence about the boxes:

The box for the _____ is further to the _____ than the box for the _____.



3) Write a summary statement for the sample

This means that the _____ of the _____ tends to be higher than the _____ of the _____ in this sample.

