Olympic Swimming and Gymnastic Medalists

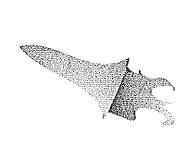
Name:

Directions: On the same scale, make box and whisker plots for Olympic Swimmers and Gymnastics medalists.

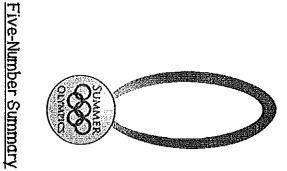
Olympic Gymnasts

Olympic Swimmers

Olympian Dara Torres	Medals 12
Janet Evans	57
Brooke Bennett	3
Amanda Beard	7
Angel Martino	6
Jenny Thompson	12
Katie Ledecky	1
Amy Van Dyken	6
Summer Sanders	4
Anita Nall	3
Natalie Coughlin	12
Dana Vollmer	4



Olympian	Medals
Shannon Miller	
Gabby Douglas	
Shawn Johnson	
Mary Lou Retton	
Dominique Dawes	
Nastia Liukin	
Kerri Strug	
Carly Patterson	
Mohini Bhardwaj	
Aly Raisman	
Amy Chow	
Annia Hatch	



Compare the two sets of data. What conclusions can you make about	O 2
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Upper Quartile: Lower Quartile:

Median: Maximum: Minimum:

Olympic Swimming & Gymnastic Medalists Box & Whisker Plot Analysis

1)	What data point do both sets of data share?
2)	What is the difference between the two interquartile ranges? What does this reveal about swimmer versus gymnast medalists?
3)	What is the difference between the ranges of the two groups?
4)	What could be the reason for the differences in the two box and whisker plots?