

Lesson Objectives & Standards Addressed

Numbers, Number Sense and Operations	
G. Estimate, compute and solve problems involving real numbers, including ratio, proportion and percent, and explain solutions.	4- Demonstrate fluency in computations using real numbers.
Data Analysis and Probability	
A. Create, interpret and use graphical displays and statistical measures to describe data; e.g., box-and-whisker plots, histograms, scatter plots, measures of center and variability.	1- Classify data as univariate (single variable) or bivariate (two variables) and as quantitative (measurement) or qualitative (categorical) data.
E. Evaluate the validity of claims and predictions that are based on data by examining the appropriateness of the data collection and analysis.	4- Describe and compare various types of studies (survey, observation, experiment), and identify possible misuses of statistical data.
<ul style="list-style-type: none"> • find five-number summaries for data sets • interpret and create box plots • draw conclusions about a data set based on graphs and summary values • use a calculator to make a box plot 	

Daily Agenda



WARM-UP – Order of Operations and Evaluating Expressions
 Have your homework out on your desk to be checked while you are working
 Check and correct HW p. 49 #1b, 2a, 3, 5, 7-9
 Take notes lesson 1.3
 Pass back and go over Tests
 Begin Homework (if time)

quiz Friday over 1.1 to 1.3

Homework Assigned

p. 55 #2ii parts (a) and (b), 3-5, 7d, 10-12
Show all work & Explain well!
 #10 is a very important question – you will learn more about outliers

How do I make a box plot?

Show how to check answers on Graphing Calculator!

167, 198, 288, 375, 376, 416, 663, 764, 841, 984, 2357
 med

EXAMPLE A Points Scored by Chicago Bulls Players Who Played over 40 Games (1997-98 Season)



Micha

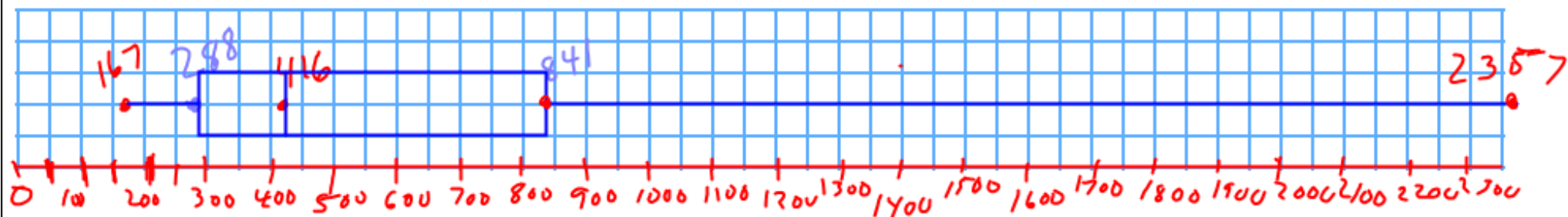
Chicago Bulls	Total points scored
Michael Jordan	2357
Toni Kukoc	984
Scottie Pippen	841
Ron Harper	764
Luc Longley	663
Scott Burrell	416

Chicago Bulls	Total points scored
Steve Kerr	376
Dennis Rodman	375
Randy Brown	288
Jud Buechler	198
Bill Wennington	167

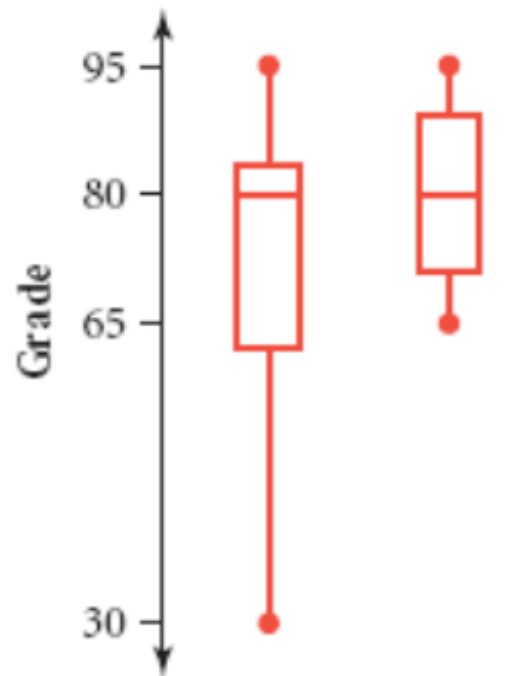
(National Basketball Association, www.nba.com)

0 - 2500

less than 841? 75%
 167 and 288? 25%



Ms. Werner's Algebra Test
Side-by-Side Box Plots
Class A Class B



EXAMPLE B

Compare the scores in the two classes.

How do the medians compare?

approx the same

Which class had lower scores overall?

class A

Was there a difference in the min and max scores?

yes, both classes had the same max score but class A had the lowest minimum score