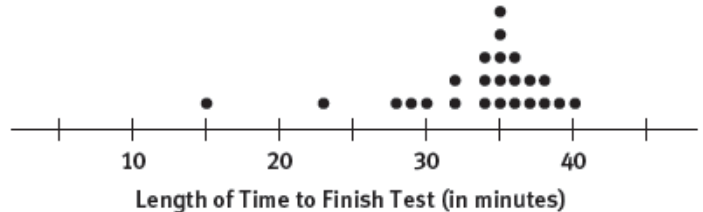Name_____   Date_____
Teacher_____

6th Grade Math (Statistics) Enrichment #7 (Lesson 29-1)

Ready:

1.   Consider the dot plot below for the amount of time in minutes that students spent to take a history test.

Length of Time to Finish Test (in minutes)

(a)   What is the range?
(b)   What is the shape of this distribution?
(c)   Which measure of center would be best to use in this situation? Explain why.

2.   Below is the data set for the 7th grade homework times. What is the range for this set of data?

40, 45, 52, 42, 47, 48, 56, 44, 57, 45, 42, 40, 44, 44, 49, 55, 44, 50, 60, 47

Here is the data set for the eighth grade homework times. What is the range for this set of data?

60, 65, 62, 62, 60, 56, 55, 62, 58, 57, 45, 64, 60, 64, 58, 40, 64, 62, 50, 60 , 57

What comparison can you make between the 7th and 8th grade homework times?

Set:

3.   Sam earned the following test scores: 89, 92, 86, 97, 91, 83 and 88. Find the mean test score.

4.   Mitchell would like to buy a concert ticket with an original price of $92. Which coupon should he use? Explain or show your reasoning.

50% off any purchase

Save $50 on any item!

Go:

5.   Give the mean, median and range for the following heights of 8 students.

	A	B	C
	fx	Name	
1	Name	feet	inches
2	leyla		55
3	shane		57
4	kylie		58
5	brianna		61
6	srihitha		62
7	deena		65
8	michelle		66
9	trevor		67

(a)   Who is the tallest student in this group and what is their height in feet and inches?
(b)   Who is the shortest student in this group and what is their height in feet and inches?
(c)   Using your own height, make a comparison or judgment about where your height would fit with this group data.

6.   Create a set of five whole numbers from 1 to 20 that have the same mean, median and range.