



## Data Comparison using Data Sets

Grade 5 Measurements & Data Worksheet

1. Use the data sets below to solve the problems listed below.

Score: Team A					Score: Team B				
72	80	87	60	79	67	66	105	83	78

- a. Which of the following shows the comparison of the mean scores for each data set?

A.  $74.6 > 69.8$       C.  $75.6 < 79.8$   
B.  $82 > 77$       D.  $75 < 79$

**Solution:**

- b. Which of the following shows the comparison of the median scores for each data set?

A.  $79 < 78$       C.  $79 < 77$   
B.  $79 > 78$       D.  $78 < 73$

**Solution:**

- c. Which of the following shows the comparison of the range for each data set?

A.  $19 < 40$       C.  $27 < 39$   
B.  $83.4 > 82.8$       D.  $97 < 105$

**Solution:**

- d. Which of the following shows the comparison of the mode for each data set?

A.  $27 < 39$       C.  $97 < 104$   
B.  $83.4 > 82.8$       D. No Mode

**Solution:**

2. How do the following data sets compare?

A: Miles Driven to School						B: Miles Driven to School					
103	78	82	103	100	91	141	135	98	89	85	98
84	97	86	54	107	82	109	134	84	87	123	106

**Solution:**

3. Use mean, median, and range to compare the two data sets given below.

Data Set A: Math Score					Data Set B: Math Score				
53	54	61	55	58	51	59	64	71	57
63	59	73	64	66	65	69	61	56	53

**Solution:**



## Data Comparison using Data Sets

Grade 5 Measurements & Data Answer Sheet

1. Use the data sets below to solve the problems listed below.

Score: Team A					Score: Team B				
72	80	87	60	79	67	66	105	83	78

- a. Which of the following shows the comparison of the mean scores for each data set?

A.  $74.6 > 69.8$       C.  $75.6 < 79.8$   
B.  $82 > 77$       D.  $75 < 79$

**Solution: C**

- b. Which of the following shows the comparison of the median scores for each data set?

A.  $79 < 78$       C.  $79 < 77$   
B.  $79 > 78$       D.  $78 < 73$

**Solution: B**

- c. Which of the following shows the comparison of the range for each data set?

A.  $19 < 40$       C.  $27 < 39$   
B.  $83.4 > 82.8$       D.  $97 < 105$

**Solution: C**

- d. Which of the following shows the comparison of the mode for each data set?

A.  $27 < 39$       C.  $97 < 104$   
B.  $83.4 > 82.8$       D. No Mode

**Solution: D**

2. How do the following data sets compare?

A: Miles Driven to School						B: Miles Driven to School					
103	78	82	103	100	91	141	135	98	89	85	98
84	97	86	54	107	82	109	134	84	87	123	106

**Solution:**

**To compare data, we must find the value of mean, median, and range.**

3. Use mean, median, and range to compare the two data sets given below.

Data Set A: Math Score					Data Set B: Math Score				
53	54	61	55	58	51	59	64	71	57
63	59	73	64	66	65	69	61	56	53

**Solution:**

**A**

**Mean = 60.6**

**Median = 60**

**Range = 20**

**B**

**Mean = 60.6**

**Median = 60**

**Range = 20**

**Data Sets A & B are NOT exactly the same, but their mean, median and range give the same results.**