

Name: _____

key

Classwork/Homework

1 The data below represents how many texts were sent by 8 freshman students in one day.

~~35, 56, 34, 44, 52, 12, 34, 45~~

Rearrange in order: 12, 34, 34, 35, 44, 45, 52, 56

a) Use the set of data to find all of the following:

Minimum: 12 Maximum: 56
 Range: 44 Mean: 39
 Mode: 34 Median: 39.5
 Lower Quartile: 34 Upper Quartile: 48.5
 Interquartile Range (IQR): 14.5

2 The data below represents how many yards were thrown by a player on the football team during the fall homecoming game.

~~35, 56, 60, 60, 76, 80, 58, 45, 73, 57~~

Rearrange in order: 35, 45, 56, 57, 58, 60, 60, 73, 76, 80

a) Use the set of data to find all of the following:

Minimum: 35 Maximum: 80
 Range: 45 Mean: 60
 Mode: 60 Median: 59
 Lower Quartile: 56 Upper Quartile: 73
 Interquartile Range (IQR): 17

Name: _____

3 The figures below represents test scores from a student taking GSE Algebra at Wheeler High School.

~~88, 103, 68, 80, 54, 91, 88, 78~~

Rearrange in order: 54, 68, 76, 80, 88, 88, 91, 103

a) Use the set of data to find all of the following:

Minimum: 54 Maximum: 103

Range: 49 Mean: 81

Mode: 88 Median: 84

Lower Quartile: 72 Upper Quartile: 89.5

Interquartile Range (IQR): 17.5

4 The data below show monthly rainfall in millimetres.

Jan.	10
Feb.	12
Mar.	21
Apr.	23
May	39
June	22
July	15
Aug.	11
Sept.	22
Oct.	37
Nov.	45
Dec.	7

a) Calculate the mean absolute deviation.

	Data	Deviation from Mean	
	10	22-10	12
	12	22-12	10
	21	22-21	1
	23	22-23	1
	39	22-39	17
	22	22-22	0
	15	22-15	7
	11	22-11	11
	22	22-22	0
	37	22-37	15
	45	22-45	23
	7	22-7	15
Sum:	264	Sum:	112
Count:	12	Count:	12
Mean:	22	Mean Absolute Deviation:	9.3

5

Circle and use ONE of the prompts below to collect data from 10 students in our class.

- a) How many snapchat followers do you currently have?
- b) How many photos are posted on your Instagram?
- c) How many apps you have downloaded on your phone?

Student 1: _____ Student 2: _____ Student 3: _____ Student 4: _____ Student 5: _____

Student 6: _____ Student 7: _____ Student 8: _____ Student 9: _____ Student 10: _____

Rearrange in order: _____

Use the set of data to find all of the following:

Minimum: _____ Maximum: _____

Range: _____ Mean: _____

Mode: _____ Median: _____

Lower Quartile: _____ Upper Quartile: _____

Interquartile Range (IQR): _____

1. The following set of data is a list of ages of people in a graduate school course:

18, 22, 23, 22, 24, 29

a. Use the set of data to find all of the following: *18, 22, 22, 23, 24, 29*

Minimum: 18 Maximum: 29
 Range: 11 Mean: 23
 Mode: 22 Median: 22.5
 Lower Quartile: 22 Upper Quartile: 24
 Interquartile Range (IQR): 2

b. Use the set of data to calculate the mean absolute deviation:

	Data	Deviation from Mean	
	18	23 - 18	5
	22	23 - 22	1
	23	23 - 23	0
	22	23 - 22	1
	24	23 - 24	1
	29	23 - 29	6
Sum:	138	Sum:	14
Count:	6	Count:	6
Mean:	23	Mean Absolute Deviation:	2.3

2. At a pet store, a survey was taken asking how many pets each person had. The results were:
2, 5, 3, 1, 0, 4, 2, 7, 0, 2, 7, 3

Find the following:

Rearrange the data in least to greatest order: _____

a. Use the set of data to find all of the following:

Minimum: _____ Maximum: _____

Range: _____ Mean: _____

Mode: _____ Median: _____

Lower Quartile: _____ Upper Quartile: _____ Interquartile Range

(IQR): _____

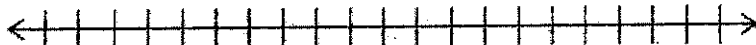
Mr. Turner has two Math 2 classes. With one class, he lectured and the students took notes. In the other class, the students worked in small groups to solve math problems. After the first test, Mr. Turner recorded the student grades to determine if his different styles of teaching might have impacted student learning.

Class 1: 80, 81, 81, 75, 70, 72, 74, 76, 77, 77, 77, 79, 84, 88, 90

Class 2: 70, 90, 88, 89, 86, 86, 86, 86, 84, 82, 77, 79, 84, 84, 84

1. Create a dot plot for each class below.

Class 1:



Class 2:



2. Create two box-and-whisker plots (on the same number line) for each class below.

Class 1:

Min

Max

Median

Q1

Q3

Outliers?

Class 2:

Min

Max

Median

Q1

Q3

Outliers?

