Unit: Data and Statistics Student Handout 2

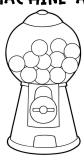
Name .	
Date	Pd

MEASURES OF CENTER

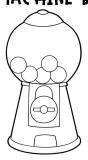
MEASURES OF CENTER	A measure of center is a way of providing a central point of data.	_ the data by
	The mean is a measure of center in which the the data is taken. It can be found by:	of
MEAN	1. Finding the of all the data points	
	2 by the number of data pointsThe mean can be thought of as determining the	·

Determine the number of gumballs in each machine. Move the gumballs around to create an equal number of gumballs in each machine. What is the fair share?

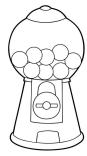
MACHINE A



MACHINE B



MACHINE C



Use your understanding of mean to answer the questions below.

1. The list below shows the shoe size for eight students in Mr. Perdido's class.

13, 12, 9.5, 10.5, 12, 11, 12, 8

2. The following data set represents the age of people in line to vote.

27, 52, 60, 41, 33, 38, 42, 57, 72, 68

Sum: _____

Mean: _____

Sum: _____

Mean: _____

3. The following data set represents the number of times the phone rings when callers contact Linkhome Cable Customer Service.

NUMBER OF RINGS	4	5	6	7	8	q
FREQUENCY	2	1	2	0	2	1

Sum:

Mean:

euvering the M

			nedian is a measure c ata is determined. It c		the	of
	4.		Ordering the data f	•	to greate:	st
MEDIA	N		. Determining the			
		•	re is not one middle r e numbers.		the	
Determine t	he mec	lian of ea	ch of the data sets be			
4. The follow number of boxes of Gir	roken	cookies ir	n a test of nine	•	data set represents s of snowfall withir	
	2, 0,	2, 1, 1, 0,	3, 1, 1	2, 1.5, 0, 0,	3, 1, 8, 6, 0, 0, 0, 1,	2, 3.5
		M	edian:		Median:	
Apply the m	ean an	d median	of the data by answe	ring the questions	below.	
6. Roanoke table below.	Middle	School is	holding a walk-a-tho	n, and the top five	e finishers are show	vn in the
NAME	# O	F LAPS			a. Mean:	
Brit		35			b. Median:	
Margie		33				
Jose		33	c. Are the mean and			•
Amelia		32	different from one of	anomer / vvnai ac	bes inis tell you abo	ui me aara?
Aldo		30				
		_				
			It the numbers on the Connell correct?	cards below have	e a mean of 12. Wh	ıat number
	7		16 12	10	11 ?	
	<u> </u>					
Summarize	today)	lesson:				
Outhing 128	roudy s	10000111				

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MEASURES OF CENTER

Each of the cards on the left has the same solution as one of the cards on the right. Find the cards with matching solutions to complete the sentences below.

Calculate the mean of the data set below.

28, 40, 53, 39, 45

A

The table represents the number of miles to the nearest airport. Find the median.

# OF MILES	20	22	24	26
FREQUENCY	3	2	1	4

E

The data set below has a mean of 24. What would be the new mean if 17 was added to the list?

12, 30, 19, 27, 21, 35

Calculate the median of the data set below.

15, 19, 24, 12, 9, 24, 19, 16, 21, 12

F

The table represents the number of minutes it takes to walk to school. Find the mean.

# OF MINUTES	10	15	20	25
FREQUENCY	1	2	2	1

The data set below has a median of 39.5. What would be the new median if 43 was added to the list?

31, 41, 50, 28, 52, 38, 56, 27

The cards below have a mean of 25. What is the missing number?

?

19

22

31

Calculate the median of the data set below.

31, 20, 25, 34, 16, 33

1. Card A and Card _____ have the same solution of _____.

2. Card B and Card _____ have the same solution of _____.

3. Card C and Card _____ have the same solution of _____.

4. Card D and Card _____ have the same solution of _____