Brandon Valley School District District Learning Plan March 16-19, 2020

Grade 6 Math



Brandon Valley School District Distance Learning Plan

SUBJECT/GRADE: 6th Grade Math DATES: March 17 - 19, 2020
Monday (3/16): Students will use pages 810 and 811 in the math textbook as examples to complete the <u>Mean worksheet</u> .
Tuesday (3/17): Students will use pages 818 and 819 in the math textbook as examples to complete the <u>Median and Mode worksheet</u> .
Wednesday (3/18): Students will review Mean, Median and Mode by completing page 828 $(1-8)$ in the math textbook.
Thursday (3/19): Students will review Mean, Median and Mode by completing the <u>Measure of Center worksheet.</u>
 Mean worksheet Median and Mode worksheet Measures of Center Worksheet math textbook page 828 (1-8) math textbook countdown packet (if applicable)
 6.SP.3: Recognize that a measure of center (mean and/or median) for a numerical data set summarizes all of its values with a single number, while a measure of variation (such as mean absolute deviation and/or range) summarizes data points' distances from the mean or each other.
• 6.SP.5: Summarize numerical data sets in relation to their context
b. Describing the nature of the attribute under investigation, including how it was measured and its units of measurement.
c. Giving quantitative measures of center (median and/or mean) and variability (interquartile range and/or mean absolute deviation), as well as describing any overall pattern and any striking deviations from the overall pattern with reference to the context in which the data were gathered.
 Materials Needed math textbook (online book is available) worksheets (see PDF documents below) Extra Resources Video example of how to find Mean, Median and Mode <u>https://youtu.be/k3aKKasOmTw</u> Multiplication Table <u>https://www.mathsisfun.com/tables.html</u>

What can students do if	
they finish early?	ALEKS topics- <u>https://my.mheducation.com/</u>
	*Practice for the state assessment
	<u>https://login10.cloud1.tds.airast.org/student/V388/Pages/LoginShell.aspx</u>
	<u>?c=SouthDakota PT</u>
	*Continue working on your topics
	*QuickTables (math fact practice)
	*assignments (if your teacher has assigned them)
	Countdown Packet- continue working through the countdown questions
	Khan Academy- <u>https://www.khanacademy.org/math</u>
Who can we contact if	Mrs. VanRoekel: <u>Rebecca, VanRoekel@k12,sd,us</u>
we have questions?	Mrs. Lewis: <u>Layne.Lewis@k12.sd.us</u>
	Mrs. Wiese: <u>Stacey,Wiese@k12,sd.us</u>
	Mr. Kocer: <u>Cassius.Kocer@k12.sd.us</u>
	Mrs. Sports: <u>Wendy.Sports@k12.sd.us</u>
	Mrs. Manitz: <u>Christine.Manitz@k12.sd.us</u>
	Ms. Murtha: <u>Christine,Murtha@k12.sd.us</u>
Notes: Worksheets do	not have to be printed off. Problems can be answered on blank or lined paper. The math
textbook can also be acc	essed online at <u>https://my.mheducation.com/login.</u>

Brandon Valley School District

Mean Worksheet

Bear	Average Height (ft)	Average Weight (lb)
Alaskan Brown	8	1,500
Black	6	338
Grizzly	7	588
Polar	7	850

1. Find the mean of the bear height data. 2. Find the mean of the bear weight data. **4. WORK** Carlos earned \$23, \$29, \$25, \$16, and \$17 3. SALES Andre sold 43 magazines at his mom's work, 32 at his dad's work, 18 around his neighborhood, and working at an ice cream shop after school. What is the 3 at home. What is the mean of the magazines he sold? mean amount he earned? 5. CARS The cost of the same quantity of gasoline at nine 6. SCHOOL Sally received scores on math quizzes as shown below. Find her mean score. different gas stations is shown below. What is the mean cost of this amount of gas? Cost of Gas: \$17, \$18, \$22, \$15, \$17, Quiz Scores: 84, 85, 91, 81, 52, 92, 99, \$16, \$25, \$21, and \$20 91, and 45

ANIMALS For Exercises 1 and 2, use the table about bears.

Median and Mode Worksheet

Find the median and mode for each set of data.

1. age of children Danielle babysits:	2. hours spent studying:
6, 9, 2, 4, 3, 6, 5	13, 6, 7, 13, 6

3. age of grandchildren:	4. points scored in video games
1, 15, 9, 12, 18, 9, 5, 14, 7	13, 7, 17, 19, 7, 15, 11, 7

8.

5. amount of weekly allowances: 3, 9, 4, 3, 9, 4, 2, 3, 8

6. height of trees in feet: 25, 18, 14, 27, 25, 14, 18, 25, 23

Find the mean, median, and mode of the data represented.

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Anr	nual Ra	ainfall	(in.)
21	23	27	28
32	32	34	43



Student

- **9. MUSEUMS** Use the table showing the number of visitors to the art museum each month.
 - **a.** What is the mean of the data?
 - **b.** What is the median of the data?

N	Vistors to Auseum (1	o the Art thousands	;)
3	11	5	4
5	3	6	3
12	2	2	4

c. What is the mode of the data?

Mid-Chapter Check

Vocabulary Check

- Define mean. Then determine the mean of the following data set {22, 18, 38, 6, 24, 18}. (Lesson 1)
- 2. Fill in the blank in the sentence below with the correct term. (Lesson 2)
 - The _____ is the number or numbers that occur most often in a set.

Skills Check and Problem Solving

Find the mean of each data set. (Lesson 1)

- number of home runs by baseball players in a season: 43, 21, 35, 15, 35
- number of different birds spotted: 7, 10, 13, 9, 12, 3

Find the median and mode for each set of data. (Lesson 2)

- 5. hours spent studying: 4, 2, 5, 7, 1
- 6. heights of buildings in feet: 35, 42, 40, 25, 42,

54, 50

 Ose Math Tools Use the table that shows the lengths of different lizards. Find and compare the median and mode of the data. (Lesson 2)

Liza	rd Le	ngth ((cm)
14	12	14	14
19	18	11	16
30	12	19	15

 Persevere with Problems The table shows the number of minutes spent doing different exercises. The mean time spent exercising was 18.2 minutes. How many minutes were spent doing sit-ups? (Lesson 2)

Dollay Ex	Daily Exercises	
Exercise	Time (min)	
Pull-ups	8	
Push-ups	10	
Running	38	
Sit-ups	12	
Weight lifting	20	

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Measures of Center Worksheet

For Exercises 1 and 2, use the dot plot which shows the prices for different pairs of sunglasses.



- **1.** What is the mean?
- **2.** What is the mode?
- **3.** What is the median?

Find the mean for each set of data.

- 4. cost of tennis shoes: \$57, \$63, \$60, \$59, \$61
- 5. ages of students' dogs: 5, 6, 3, 4, 8, 10, 6
- 6. weights of cats at a pet store in pounds: 5, 4, 10, 7, 6

7. cost of DVDs: \$10, \$5, \$19, \$25, \$15

For Exercises 7-9, use the following set of data.

TEMPERATURE The temperature in Georgia was recorded for 6 days in November. The temperatures were 62° , 60° , 70° , 78° , 60° , and 66° .

7. What is the mean for the data?

8. What is the median for the data?

9. What is the mode for the data?





Key Concept	Median and Mode		
Work Zone	The median of a list of values is the value appearing at the center of a sorted version of the list, or the mean of the two central values, if the list contains an even number of values. The mode is the number or numbers that occur most often.		
	Just as mean is one value used to summarize a data set, the median and mode also summarize a data set with a single number. If there is more than one number that occurs with the same frequency, a data set may have more than one mode.		
	Examples		
	1. The table shows the number of monkeys at eleven different zoos. Find the median and mode of the data.Number of Monkeys283618251244		
	Order the data from least to greatest.		
· · · · · · · · · · · · · · · · · · ·	Median 12, 16, 18, 18, 25, 28, 30, 34, 36, 42, 44 28 is in the center.		
	Mode 12, 16, (18, 18), 25, 28, 30, 34, 36, 42, 44 18 occurs most often.		
	The median is 28 monkeys. The mode is 18 monkeys.		

199 - 2010 - 201	2. Dina recorded her scores on 7 tests in the table. Find the median and mode of the data. 93 88 94 93		
10 1010101010101 100000101 Adda Saraanaa a	Order the data from least to greatest. 85 97 90		
	Circle the number in the center. This is the median.		
	Circle the most frequently occurring numbers. This value is the mode.		
	The median is a score of The mode is a score of		
Shaw your work	Got it? Do this problem to find out.		
	a. The list shows the number of stories in the 11 tallest buildings in Springfield. Find the median and mode of the data.		
TI	40, 38, 40, 37, 33, 30, 20, 24, 21, 17, 19		



Lesson 2 Median and Mode 819

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