

Grade 6

Distance Learning Module 4: Week of: April 20th – 24th

Content Area: Math - Modified from [Unit 4 - Fact or Fiction? - Statistics](#)

Targeted Goals from Stage 1: Desired Results

Content Knowledge: Describe a set of data using statistics

Vocabulary: Mean, Median, Mode, Range, Outlier (Mean, Median, and Mode are also called *Measures of Central Tendency*)

Skills:

1. Calculate the mean, median, mode, or range of a set of data
2. Identify the outlier in a set of data and determine which measure of central tendency it affects the most
3. Determine whether the mean, median, or mode best describes a set of data

*****You may use a calculator throughout this unit.*****

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Collecting Data, Learning About Mean, Median, Mode and Range	<ol style="list-style-type: none">1. Complete Pet Survey.2. Watch the Mean, Median, and Mode Toads video (Optional, but <i>toadally</i> worth it!)3. Complete worksheet on Mean, Median, Mode, and Range.	<ol style="list-style-type: none">1. Submission of Survey2. Submission of Worksheet through Google Forms
Tuesday: Describing Data Think About It: When teachers complete report cards, they are	<ol style="list-style-type: none">1. Write down pet data from yesterday's survey - check Google Classroom. Your teacher will upload it.2. Find the Mean, Median, Mode, and Range of the pet data using the notes you took yesterday.	<ol style="list-style-type: none">1. Share the pet survey data in any way you wish! You can be creative and make a poster, simply show your work on notebook paper for each piece and snapshot and send, video and send - any way you wish as long as I can see

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
allowed to put only ONE grade for their subject although students have completed many graded assessments for each subject. How do teachers decide what number to write?	3. Complete this MMMR worksheet.	(or hear) your work and know which of your answers goes with mean, median, mode and range. 2. Submission of MMMR worksheet through Google Forms.
Wednesday: Outliers!	1. Watch this short video on outliers. 2. If you are feeling curious, watch this other video on outliers! 3. Complete the outlier worksheet Google Form.	1. Submission of Outlier worksheet
Thursday: Review to make sure you really know the different methods.	1. Warm Up - Level the Towers as listed on your teacher's Google Classroom assignments. 2. Complete the MMM Review sheet as listed on your teacher's Google Classroom assignments.	1. Submit Google Form Towers. 2. Submit the review sheet. You must use the link in Google Classroom assignments.
Friday: MMM Brain Workout	1. Complete Thinking About Mean and Median Google Form.	1. Submit Thinking About Mean and Median Google Form sheet.

Week criteria for success (attach student checklists or rubrics):

- I know how to calculate the mean, median, mode, and range of a set of data.
- I can determine the outlier in a set of data and explain how it affects the mean, median, and mode.
- I know when it is best to use each measure of central tendency.

Supportive resources and tutorials for the week (plans for re-teaching):

1. Finding the Mean, Median, and Mode video - Khan Academy (dry and to the point)
2. Data Set Properties: Mean, Median, Mode video - Math Antics(kid friendly with graphic images to aid in presentation)

3. Measures of Central Tendency Notes
4. Pros and Cons of Mean, Median, and Mode