

Grade 6

Distance Learning Module 5: Week of: April 27

## Grade 6 Mathematics - Modified from Unit #4 - Fact or Fiction? - Statistics

### Targeted Goals from Stage 1: Desired Results

#### Content Knowledge:

- Understand that a set of data collected to answer a statistical question has a distribution which can be described by its center, spread, and overall shape.
- Display numerical data in plots on a number line, including dot plots, histograms, and box plots.

**Vocabulary:** Mean, Median, Mode, Range, Tally Chart, Frequency Chart, Number Line, Dot Plot, Histogram, Box Plot, Interquartile Range, Mean Absolute Deviation

#### Skills:

- Identifying and writing statistical questions.
- Collecting and sharing data on number lines, dot plots, histograms, box plots, and tally/frequency charts.
- Interpreting data from statistics, charts, and graphs.

**\*\*\*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: What is a Statistical Question?	1. Watch the Statistical Questions Video to learn about Statistical and Non-Statistical Questions. 2. Watch Khan Academy - Statistical and Non-statistical Questions video.	1. Complete and submit the Statistical Google Form
Tuesday:	1. Watch Khan Academy- Read Line Plots	1. Complete and submit Khan Academy work

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Line Plot	(video) 2. Watch Khan Academy -Making Picture graphs and Line Plots. (video) 3. Complete and submit Khan Academy-Making Line Plots (practice problems) 4. Please complete and submit Line Plot Google Form.	<p><b>Important!</b> Please access <b>ALL</b> Khan Academy work through your Google Classroom account to receive credit. Yes, the link to the left works, but using it will not give you credit. <b>You must log in to your Khan Academy account to access the assignments.</b></p> <p>Khan Academy work will be viewed by your teacher.</p> <p>2. Please complete and submit Line plot Google form.</p>
Wednesday: Histograms	1. Watch Creating a histogram video 2. Watch Khan Academy- Histogram Video 3. Complete and submit Analyzing Histograms Google form.	1. Complete and submit Analyzing Histograms Google form.
Thursday: Box and Whisker Plots	1. Watch Khan Academy - Constructing a Box Plot Video #1 2. Watch Khan Academy - Interpreting a Box Plot Video #2 3. Khan Academy - Creating Box Plots Practice Problems Make sure you are logged in to your Khan Academy school account. 4. Complete and submit the Box-and-Whisker survey.	<p>1. Complete and submit Khan Academy work.</p> <p><b>Important!</b> Please access <b>ALL</b> Khan Academy work through your Google Classroom account to receive credit. Yes, the link to the left works, but using it will not give you credit. <b>You must log in to your Khan Academy account to access the assignments.</b></p> <p>Khan Academy work will be viewed by your teacher.</p> <p>2. Complete and submit Box-and-Whisker Survey form.</p>

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Friday: Box and Whisker Day 2	1. Using the data from the survey, create a Box-and-Whisker Plot as listed on your teacher's Google Classroom assignments. Your teacher will post the results from the survey.  2. Use these Notes to guide you in creating your Box-and-Whisker Plot.	Submit your Box-and-Whisker Plot to be evaluated by your teacher. You can do your work on notebook paper, take a picture or scan, and send it to your teacher via Google Classroom. <b>Show your work.</b> How to Upload to Google Classroom <b>You must use the link in Google Classroom assignments.</b>

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

- I can read and analyze data on a line plot, histogram, and box and whisker plot.
- I can create a box and whisker plot.

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

Box-and-Whisker Plots Vocabulary

Comparing Box Plots Video