

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>Important! Please access ALL 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. You must log in to your Khan Academy account to access the assignments.</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>Important! Please access ALL 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. You must log in to your Khan Academy account to access the assignments.</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. Show your work. How to Upload to Google Classroom You must use the link in Google Classroom assignments.

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