

ANSWER KEY

Extended Learning Packets: May 4th - May 15th, 2020

Day 1, Monday, May 4th

English:

1. All answers will vary. Some examples:
2. Antonym: strong, weak
3. Synonym: amazing, awesome

Math Day 1

Mean	Mode	Median
<p>To find the mean, you add up all the numbers of a given data set and divide that sum by the total numbers you had.</p>	<p>-To find the mode put the numbers in order from least to greatest. The number that repeats the most is the mode.</p>	<p>To find the median first put the numbers in order from least to greatest. Determine what the middle number is for a set that has an odd amount of numbers. If there is an even number of pieces of data, the median is the numerical average of the two middle values.</p>

Given the set of data, find each measure of center. 23, 43, 33, 67, 23, 18, 19, 28

Mean is 31.75

Mode is 23

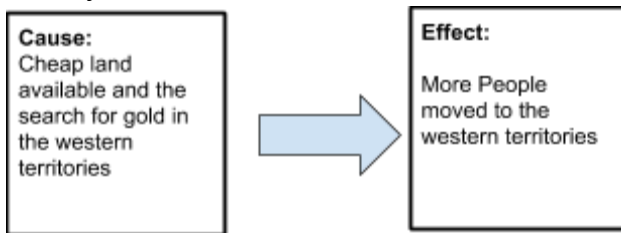
Median is 25.5

Science

1. A low pressure system is moving towards Atlanta with clouds and rain for the weather.
2. A warm front is near Georgia, Florida, South Carolina, and North Carolina
3. The weather in Denver is a high of 75 degrees with a low of 58 degree and rain.
4. A cold front is headed to Minneapolis. The weather will be cold and raining.
5. The cold front is moving east and the warm front is moving west. If the fronts collide it could cause thunderstorms.

Write the cities near the following pressures systems.	
Low Pressure	High Pressure
1. Denver	1. New York
2. Atlanta	2. Seattle
3. Minneapolis	3. St. Louis

## History



### **What is the Indian Removal Act? Did Andrew Jackson follow the directions of the Act? Why or Why not?**

The Indian Removal Act allowed the federal government to negotiate treaties (agreements) with Native American Tribes for their land in the east in exchange for land in the west. The treaties were supposed to be peaceful and voluntary . However, President Jackson did not follow the Indian Removal Act because he forced Native Americans off their lands with the National Guard.

### **What is the Trail of Tears? What was the effect on Native Americans?**

The Trail of Tears is a name used for the path the Native American took for their journey west. Many Native Americans died on the trail and those who survived had to learn how to live in a new climate and area.

## Day 2, Tuesday, May 5th

### English:

(All answers will vary for this section; these are just some examples)

1. Why are they arguing about jumping?
2. Why doesn't Ryan like the competition?
3. Why is working together better than working separately?

### Math Day 2

1. 3
2. 3
3. A
4. C. point c and point f

### History

- 1. The Native Americans went to the Indian Territory located above the Republic of Texas and west of the Arkansas Territory.**
- 2. Answers will vary:**
  - a. Seminole travelled the farthest and came from the Florida Territory**
  - b. All tribes ended up in the Indian Territory but took different paths.**

**3. Native Americans had to learn how to live off the land with the new climate and different natural resources.**

Science: Answers will vary because all students' maps will be different based on what they choose.

## Day 3, Wednesday, May 6th

English:

Answers may vary.

Sight: Casting an orange glare over the farm buildings, the fields, and the pond.

Hearing: Underbrush as it crackled like fireworks beneath our feet.

Taste: A delicious strawberry iced tea, or a tall glass of sweet-but-sour lemonade.

Smell: The sweet skin mingling with the bitter odor of dried earth.

Touch: Our sun-baked backs stung and ached for relief.

Math -


You should notice that where the ruler is balanced is not the exact center of the ruler.





The mean is 6.5 or 6 ½

### History

1. Women were not allowed to vote. They could not own property (land) and any money they earned went to their husbands. They did not have equal opportunities in business. Lastly, women could not attend high school or college.
2. Suffragists' common ideas were that all men and women were created equal and women were deprived of their rights.
3. Isbel SojournerTruth contributed to the suffrage and abolitionist by publicly speaking out about how women should have equal rights and the end of slavery.

### Science

Weather Instrument	Description	Image
Thermometer	An instrument used to measure temperature	

<b>Rain Gauge</b>	<b>An instrument used to measure rain</b>	
<b>Barometer</b>	<b>An instrument used to measure atmospheric pressure= high and low pressure</b>	
<b>Anemometer</b>	<b>An instrument used to measure wind speed</b>	
<b>Wind Vane</b>	An instrument used to show the direction of the wind	

## Day 4, Thursday, May 7th

### English:

1. The mood of the poem is inspirational. Despite Angelou going through obstacles in life, she perseveres and still rises above. This inspires others to persevere despite the obstacles they face in life.
2. Four examples of imagery are: you may trod me in the dirt, soulful cries, I'm a black ocean, and cause I laugh like I've got gold mines/ diggin' in my own backyard.
3. Angelou uses repetition because she repeats "I rise" several times throughout the poem. The mood of the poem is inspirational, so repeating "I rise," further inspires you to rise above your obstacles in life.
4. Angelou is saying even when others talk down to her and try to stand in her way of success, she will rise above the obstacles others create and still will succeed.
5. Angelou is saying that others don't like that she acts happy and like she has all the wealth/happiness that she needs.

### Math Day 4

#### Activity

1. 2
2. The average of the numbers

#### Practice

1. 6

2. 5.5
3. The mean would move also
4. 7
5. 2
6. 1.5
7. 103

History:

1. Susan B. Anthony contributed to the suffragist movement by publicly speaking for women's rights, founded the National Suffrage Movement, organized state and national meetings, created a newspaper called the *Revolution*, and voted in a presidential election.
2. She was an active speaker and created a newspaper called the *Revolution* in hopes to change the people's thoughts on women's rights.
3. She went to jail and she peacefully protested (civil disobedience) for women's rights.
4. The 19th Amendment was added in 1920 and it allows women to vote.
5. Susan B. Anthony is now remembered as a leader of the suffragist movement.

Science:

1. Barometer
2. Thermometer
3. Anemometer
4. Rain gauge

## Day 5, Friday, May 8th

English:

Answers will vary, but they should be close to the definition below.

1. Traipsed: walk or move wearily or reluctantly
2. Despised: feel contempt or a deep hatred for
3. Justified: show or prove to be right or reasonable, be a good reason for
4. Dappled: marked with spots or rounded patches

Math Day 5

1. B
2. B
3. B
4. C

History:

1. Elizabeth Cady Stanton contributed to the suffrage movement by helping with the first woman's rights convention and was the main author of the *Declaration of Sentiments*. Many people did not agree with her opinion.

2. The creation of the *Declaration of Sentiments* was the effect of the Seneca Falls Convention.
3. A document stating men and women are created equally and women should have the same rights as men.

Science:

1. Weather 2. Climate 3. Climate 4. Weather. 5. Climate.
6. Answers will vary.
  - a. Example: The gulf Stream plays a role in keeping our climate balanced by the influence of the warm water off the Florida coast in the winter and cooler during the summer months. The towns and cities near the coast has a more mild climate because of the water and milder winters.

## Day 6, Monday, May 11th

English:

1. The context clues are: sore must be the storm.
2. The theme of this poem is that hope remains in our hearts for good, and hope is strongest during difficult times.
3. Hope is being compared to a thing with feathers, or a bird.
4. The mood of this poem is uplifting, hopeful, peaceful, etc.
5. Dickinson is saying that hope will never stop providing inspiration. Even the darkest times can not stop hope, and hope will never ask anything in return.

Math Day 6

1. D
2. a. The outlier is 60  
b. The mean is 77.6  
c. 78.9
3. The outlier is 48

	<u>Original data set</u>	<u>Once the outlier is removed from the data set</u>
<b>Median</b>	<b>24</b>	<b>23.5</b> <b>The median decreases</b>
<b>Mean</b>	$437 \div 17 = \mathbf{25.7}$	$389 \div 16 = \mathbf{24.3}$ <b>The mean decreases</b>
<b>Mode</b>	<b>19 and 22</b>	<b>No effect on the mode. It is still the same</b>

<b>Range</b>	<b>48-12= 36</b>	<b>35-12=22</b> <b>The range decreases</b>
<b>Standard deviation</b>	<b>(omit this section)</b>	<b>(omit this section)</b>

4. The mean

History:

- 1. Abolitionists believed slaves should be freed.**
- 2. Answers will vary, multiple facts can be used from the paragraph.**
- 3. Answers will vary, multiple facts can be used from the paragraph.**
- 4. Answers will vary: To spread their beliefs about ending slavery, the names of the papers are referencing the Underground Railroad, to educate others about important issues etc.**

Science Day 6: **complete sentences about what a tornado is, how it is formed, and the impacts of a tornado.**

A tornado is a rotating column of violent air with large wind speeds. The mix of warm moist air and cool, dry air causes an instability in the atmosphere, which creates thunderstorms and can lead to tornadoes. The impacts of tornadoes can be harmful to communities by destroying houses, schools, and power lines.

## Day 7, Tuesday, May 12th

English:

- Poem's created by students will vary.

Math- Day 7

- Mean is 13. Median is 9. Mode is 7. Range is 43.
- Mean
- This is a discussion so there is no right or wrong answer.

4.

Date	Sept 10	Sept 17	Sept 24	Oct 1	Oct 8	Oct 15	Oct 22	Oct 29	Nov 5	Nov 12
Sales	7	50	8	9	10	12	7	7	9	11

The data in this graph shows a representation of shirt sales for 10 weeks. The average or mean is slightly higher due to the outlier of 50. If we went solely on this week's data, it would be a total of 130 shirts sold over a 10 week period. Given this info, 130 shirts would be sold every 10 weeks. That would mean a total of 390 shirts for 30 weeks (130 x 3). This is still an overestimation because of the outlier of 50.

The median number of 9 x 30 would be 270. So, an acceptable answer would be between 270 and 390 shirts.

- If they order 15 shirts per week, then this would be a total of 15 times 30= 450 total shirts.
- If they order 20 shirts per week, then this would be a total of 20 times 30= 600 total shirts.

5. A. There could be several reasons why the week of Sept 17 was so high. Possibly it was because it was school spirit week or the beginning of the school year, so more people wanted to have school shirts.
- B. The mean is the measure of central tendency that is most affected. (The range is also impacted, but the range is not considered a measure of central tendency.)
- C. The range, which is 43, because it doesn't represent the majority of the numbers in the data set.

#### History - Day 7

1. Harriet Tubman was a conductor who helped slaves escape.
2. The Underground Railroad was a series of people willing to help slaves escape to freedom. It was a series of homes and locations that provided safety as escaped slaves traveled north.
3. If the details had not remained a secret the slaves would not have been able to escape.
  4. Slaves would travel from one safe house to another, following the North Star and their conductor.

#### Science Day 7:

1. A drought is the lack of rain over an extended time period.
2. Droughts are caused by a lack of rain or snow or using too much water.
3. Scientists cannot predict droughts because droughts are caused by multiple factors, not just weather.
4. Three effects of droughts on our lives are a lack of drinking water, less crops can be produced, and less water to shower with.
5. Answers will vary. Example: I can take shorter showers. I can brush my teeth without the water on.

## Day 8, Wednesday, May 13th

#### English:

1. Answers will vary for this assignment because most questions are based on student's opinions. Here are some ideas that may be included in the reflection.
  - a. The poem is about students in a history class. Their teacher assigned a class project to build a viking ship together. Tony Steinberg hasn't been in class for awhile because he has cancer. All of the students shave their heads in solidarity with him when Tony returns. At the end of the poem, Tony dies, and the students burn their viking boat in Tony's honor because he is a fallen warrior.
  - b. Students can write how the above incidents made them feel.



- c. They can include how spoken word is different from reading a poem on paper because you can hear and see the speaker's emotions, which helps you understand the poem's tone and mood.

### Math Day 8

3. a. Median is 5. Mode is 7. Mean is 4.9

b. Any measures of center would be acceptable. I would say that the median is the best measure of central tendency for this data set because it is in the middle of the highest and lowest number, and is also very close to the mean. The mean could also be a good representation of these numbers because there aren't any outliers in this data set, and it is the balance point of the numbers. Mode would also correct because the mode is 7, which appears three times. So any choice would be correct, as long as you answer why.

4. The mode of 8 would be the best choice of central tendency in this set of data because it represents people's votes

5. a. The mode is size 7 and 8. The mean is size 7.9 (which would round up to be size 8).

b. If you were restocking the shoes at the end of the day you would mostly look at the numbers that were sold the most, which would be the mode of size 7 and size 8 shoes. You would need to restock those so you have them available for sale tomorrow.

6. a. The median is 145,000. The mean is 523,000.

b. The best measure of central tendency would be the median because this data set has an outlier (for the pink mansion) that is extremely higher than the other sets of numbers. The outlier would bring up the value of the mean, so it would not be a good representation of all of the numbers.

7 a. The mean is 13.6, which would round to 13 years old. The median is 10. The mode is 10.

b. The best measure of central tendency to describe this data would be either the median or the mode, which are both 10 years old, because the majority of the ages in the class are 10 years old. The mean would not be the best representation of the data because of the outliers of 50 years old.

8. The music type that would best represent Canadian teenagers would be contemporary rock, which is the mode because it has the largest percentage of votes.

History 8: Essentially the information is split by the article into a bullet point list of the North vs. the South. Students should move these bullet points into the Venn Diagram.

Science 8: Answer will vary

## Day 9, Thursday, May 14th

English:

1 Simile: I will ride upon this heaving surface/ As a boat rides upon the water.

2 metaphors: I will sow down this field,/ Scattering gems

And pearls stream off my neck and forehead.

1 hyperbole: Out of a bottomless pouch

2 personification: The black earth embraces my ankles

The wind sings upon my lips

1 alliteration: Even as a bulky brown boat

1 onomatopoeia: squish

Math Day 9:

1. The best measure of center to use to represent this data would be the median, which is 70.

2. The reason the median would be the best is because there are outliers of 0 showing that no pizzas were sold on Monday and Tuesday.

3. C

4. B

5. The mean is 94. ( $1786 \div 19 = 94$ )

The median is 97.

The mode is 102.

All measures of center would be acceptable to use to represent this data.

History

1. Northern states wanted a strong central government.

2. Southern states wanted more states rights because they feared a strong central government would make laws that favored the North.

Science Day 9: Venn Diagram: Students will list the difference and similarities about volcanic eruptions and forest fires from the reading.

How have humans negatively impacted the ozone and atmosphere?

1. smog

2. Exhaust from automobiles.

3. chemicals from air conditioners being released.

4. The use of spray cans.

5. Exhaust from power plants.

## Day 10, Friday, May 15th

English:

1. 3 stanzas

2. Line 9

3. Stanza 2

4. Answers will vary

5. Answers will vary

6. The main idea is that this person really dislikes homework and wishes it didn't exist.

7. The speaker hates homework.

## Math Day 10

1. D
2. A
3. D
4. D, which is Letter P
5. D

## History

1. The North did not want new states to spread the institution of slavery.
2. The South wanted to continue harvesting their cash crops with slaves in new states.
3. They wanted to keep their power balanced.

Science Day 10: Answers will vary