

Compton USD Learning Packet #5

Sixth Grade

Name____

6th Grade Learning Packet TABLE OF CONTENTS Week 6

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	GRADI	E 6 CCSS SPIRAL#	3	NAME:		DATE:		SCORE:	
	1. Wh	ich sentend	e make	es correct use	of the prono	un?			
Pronouns	В. С.	-	are you ou goin			n?			L.6.1.A
	2 . Wh	ich sentend	e corre	ectly uses an	intensive pro	noun?			
Pronouns	В. С.	He has no It was the	one to girl her		behavior but y owned up to	-			
									L.6.1.B
	3. Whi	ich pronoun	correc	tly completes	the sentence	?			
Pronouns		its them	No on	e should give		password to clas	ssmates.		
		ours his							
									L.6.1.C
	4. Wha	at does the	word <i>hi</i>	is refer to in th	ne sentence?				
S			Jim ask	ed Robert to h	help him look	for a present for his	s brother.		
นกดน	A.	Robert's							
Pron	B.	а							
		the which							
	U.	WHICH							
	E 14/1 '	-1			-111	- d b 4 4	-1 10		L.6.1.D
	5. Whi	cn sentenc	e is app	propriate in a l	etter to a frier	nd but not in a form	aı report?		
age lons	_					Sydney, Australia.	b		
Language Variations	В. С.	-	•		_	ne coast near the bo ause it is located or			
						ce a connection fror		Brisbane.	
									L.6.1.E



Dot Plots and Data Distribution

Practice and Problem Solving: A/B

Tell whether each question is a statistical question. If it is a statistical question, identify the units for the answer.

- 1. How far do you travel to get to school?
- 2. How tall is the door to this classroom?

Use the data set at the right and the description below to complete Exercises 3-6.

The class took a survey about how many people live in each student's home. The results are shown at the right.

3. Make a dot plot of the data.

People in Our Homes

4, 2, 5, 4, 2, 6, 4, 3, 4, 3, 5, 6, 2, 7, 3, 2, 5, 3, 4, 11, 4, 5, 3



4. Find the mean, median, and range of the data.

mean: ; median: ; range:

5. Describe the spread, center, and shape of the data distribution.

6. Which number is an outlier in the data set? Explain what effect the outlier has on the measures of center and spread.

7. Survey 12 students to find how many people live in their homes. Record the data below. Make a box plot at the right.

- 6. Which sentence is punctuated correctly?
 - A. I was not able to finish my report at the library today, so I will finish it at home?
 - B. I was not able to finish my report at the library today, so I will finish it at home!
 - C. I was not able to finish my report at the library today, so I will finish it at home.
 - D. I was not able to finish my report at the library today, so I will finish it at home;

L.6.2.A

7. The passage below may contain an error in punctuation, capitalization, or spelling.

Excerpt from The Secret Garden

Frances Hodgson Burnett

She had not wanted a little girl at all, and, when Mary was born, she handed her over to the care of an Ayah who was made to understand that if she wished to please the Mem Sahib she must keep the child out of sight as much as possible.

Which answer corrects the mistake in the underlined part of the passage?

- A. Correct as is.
- B. who was maid to understand
- C. whom was made to understand
- D. who, was made to understand

L.6.2.B

8. Which is the **BEST** way to combine the sentences below?

This war was over. Another war was just beginning.

- A. This war was over, but another one was just beginning.
- B. Because this war was over, another one was just beginning.
- C. This war was over because another war was just beginning.
- D. Because another war was just beginning, this war was over.

L.6.3.A

9. Read the short passage below.

Few people or animals were awake at this hour. It was Peter's favorite time of day. He moved quietly down a path, noticing the sun peeking through the branches overhead and the soft, moist ground underfoot.

Which maintains the tone established in these three sentences?

- A. Peter shook his head in disgust when he discovered piles of trash on the trail.
- B. Peter tried to remain calm when he heard a frightening shriek behind some bushes.
- C. Peter yawned with boredom and wondered how anyone could like being outside so much.
- D. He and his thoughts continued to wander as he smiled and breathed in the fragrant morning air.



Dot Plots and Data Distribution

Practice and Problem Solving: C

Use the data set at the right and the description below to complete Exercises 1-4.

The class counted the cars in the parking lot each hour from 9 A.M. to 4 P.M. for 3 days. The results are shown in the data set.

1. Make a dot plot of the data.

Cars in the Parking Lot 30, 22, 33, 22, 26, 24, 33, 8,

30, 33, 40, 28, 38, 30, 38, 33,

33, 28, 22, 28, 30

8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40

	Cars in the Parking Lot
2.	Find the mean, median, and range of the data.
	mean:; median:; range:
3.	Describe the spread, center, and shape of the data distribution.
4.	Which number is an outlier in the data set? Explain what effect the outlier has on the measures of center and spread.
	wer the questions below. Write a survey question that you can ask at least 15 people.
6.	Complete your survey. List the results.
7.	In the blank space at the right, make a dot plot to show the results of your survey.
8.	Find each of the following.

mean:____; median:____; range:____

The difference between him and the others forced me to be less partial.

In this sentence from the passage, the phrase less partial could easily be replaced with which synonym?

- A. fair
- B. forgiving
- C. loving
- D. strict

L.6.4.A

11. Read the short passage below.

Excerpt from **Seaplanes**Roberto Barerra



²Flying boats have a fuselage, or body, that looks and acts like a ship's hull. This hull enables them to float on water very easily. Two small floats underneath its wings keep the flying boat stable in rough water. These seaplanes are usually larger and more stable on water than floatplanes are. A floatplane is a seaplane that has two long floats, called pontoons, under the fuselage. This is the only part of the plane that touches the water. Unlike flying boats, floatplanes often come in a wide variety of sizes. An amphibious vehicle can be either a flying boat or a floatplane with wheels. This allows the aircraft to land on both land and water.

If *amphi*- means both and *-bious* means mode of life, which word means adapted for both land and water?

- A. dubious
- B. ambitious
- C. amplified
- D. amphibious

L.6.4.B

- 12. To find the definition of the word biosphere which would be the BEST resource?
 - A. an online almanac
 - B. a thesaurus
 - C. a dictionary
 - D. an online encyclopedia

L.6.4.C

Roots

Reference Meterial



Dot Plots and Data Distribution

Practice and Problem Solving: D

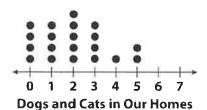
Use the data set at the right and the description below for Exercises 1-3. The first one is done for you.

The class took a survey about how many dogs and cats each student has. The results are shown in the data set.

1. Make a dot plot of the data.

Dogs and Cats in Our Homes

1, 0, 3, 5, 1, 3, 2, 4, 2, 1, 2, 0, 5, 3, 1, 2, 0, 0, 2, 3



2. Find the mean, median, and range of the data.

; median:

3. Choose the best description of shape of the data distribution.

A. symmetric

B. not symmetric

Answer the questions below.

4. The data set at the right shows the hours that a group of students spent volunteering each weekend. Make a dot plot of the data. Then use your dot plot to complete Exercises 5-7.

Hours Spent Volunteering on Weekends

5, 3, 2, 6, 5, 4, 2, 14, 1, 2



5. Find the mean, median, and range of the data.

; median:_____; range:____

6. Choose the best description of shape of the data distribution.

A. symmetric

B. not symmetric

7. 14 is far away from the other data. What is 14 called?

	13. What guide words would you look between to find the definition of the word below?							
<u>≻</u>		KEEP						
Dictionary								
Dict		kangaroo - kick						
		kid - kitchen						
	_	kite - know label - lap	.6.4.D					
		ead the short passage below.	.0.4.D					
	17.10	ad the short passage below.						
	-	Excerpt from Newton Minow's Speech to National Association of Broadcasters speech by Newton Minow						
rigures of Speech	wl pr	But when television is bad, nothing is worse. I invite you to sit down in front of your television set hen your station goes on the air and stay there without a book, magazine, newspaper, rofit-and-loss sheet, or rating book to distract you—and keep your eyes glued to that set until the ation signs off. I can assure you that you will observe a vast wasteland.						
	In this	speech, television is compared to						
	A.	a jungle.						
		a wasteland.						
		a vast ocean.						
		C Value	L.6.5.A					
<u>a</u>	15. VV	hich causal word is most commonly associated with the word fever?						
word Relationship	Α.	infection						
ભ રેસ્ટીસ		infirmary						
_		medicine						
			L.6.5.B					
	16 . Re	ead the sentence below.						
		It's not exactly a trek across the country!]					
ions			J,					
Connotations	Which	word is the closest in meaning to the underlined word?						
Cor		A. outing						
		B. stroll						
		C. walk						
		D. journey	L.6.5.C					
		nich expression can be used to replace the underlined words and describe the weaving in a ic as a fun, exciting experience?	and out					
Academic Vocabulary	Weavii	ng in and out of bustling traffic makes my morning drive a dreaded chore.						
三品	A.	a nightmarish experience.						
	В.	an exhausting start to the day.						
		an exciting roller coaster ride.						
	D.	a suspenseful way to begin the day.	L.6.6*					

LESSON 16-4

Dot Plots and Data Distribution

Reteach

A dot plot gives you a visual display of how data are distributed.

Example: Here are the scores Yolanda received on math quizzes: 6, 10, 9, 9, 10, 8, 7, 7, and 10. Make a dot plot for Yolanda's quiz scores.

Step 1: Draw a number line.

Step 2: Write the title below the number line.

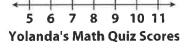
Step 3: For each number in the data set, put a dot above that number on the number line.

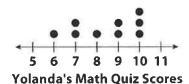
Describe the dot plot by identifying the range, the mean, and the median.

Step 4: Identify the range. 10 - 6 = 4

Step 5: Find the mean. $76 \div 9 = 8.4$

Step 6: Find the median. 9





Range: Greatest value - least value

Mean: Sum of data values

Number of data values

Median: Middle value

Use the data set at the right to complete Exercises 1-4.

1. Draw a dot plot for the data.

 Game Scores

 12
 6
 15
 10

 14
 15
 8
 10

 12
 21
 15
 8



- 2. Find the range.
- 3. Find the mean. _____
- 4. Find the median.



Determine a Theme from Literary Text

Topic: Camped in the backyard

Your Assignment:

Read the story below. What is the theme of the text? Explain using key details from the text to support your answer.

The Big Night Out

By Kiki E.

A couple of weeks ago I had an unexpected day off from work. I didn't want to do the usual which is rent a movie, so I made a plan. Boy were my kids going to be surprised!

After heading out to Ralph's for some supplies, I invited our cousin, Vin, over to get in on the action. Once Vin arrived, I ordered pizza from the local Pizza Hut.

When our bellies were full of tasty pizza, my kids and I camped out in my backyard! Not being one to "rough it," I was a little nervous about my adventure. It took me a while, but I set up my tent all by myself and the kids even set up their tent too! As the daylight faded into darkness, I toasted marshmallows on the crackling fire to turn them into S'mores. They're called S'mores because once you have one, you always want SOME MORE! At the end of the evening, I snuggled in my tent like a bear in its cave, hoping for a long hibernation. That's when I saw the shadow of a wild beast passing by my tent. It had pointy ears and a long tail- oh no! Luckily it was just my cat. Unfortunately, my



hibernation was not what I had hoped for because I was too worried about what might be lurking outside my tent.

Early the next morning the sun woke me up like an alarm clock, so I snuck inside for a much needed cup of coffee. Not wanting to wake my sleeping children, I silently closed the door to my house and began to cook breakfast. Homemade waffles are a favorite around here! I am going to go camping in the real wilderness next time, and hopefully I won't see any mysterious shadows!

Stem Starters:

You may want to consider starting your response using one of these stems. You do not have to do so, but they are here to help you if you need them.

The theme of the story is...

After reading the story, I learned that...

Your Response:							
:							



Dot Plots and Data Distribution

Reading Strategies: Build Vocabulary

When people study data, they are often asked questions that have a mathematical answer. Some such questions are **statistical**, meaning they have answers that can vary. Some are **not statistical**, meaning they have a single correct answer. For example:

Statistical question: How many books does a typical student read in a week?

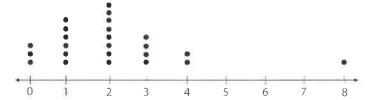
Not a statistical question: How many books did Dave read last week?

Statistical questions are answered by collecting and analyzing data.

The data below was collected as an answer to the statistical question above. The data is shown in the dot plot at the right.

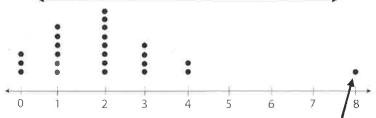
A **dot plot** is a visual way of displaying data.

4	2	1	0	3	2	4	1
1	2	3	8	2	1	0	2
2	3	3	1	1	2	2	0



You can describe the spread, the center, and the shape of a dot plot.

Spread: Range or difference between least and greatest values



The **shape** of this dot plot is **not symmetrical**, which means there are more dots on one side of the center of the range than on the other side of center.

An **outlier** is a data value much greater or less than other data values.

Measures of center:

Mean:

Sum of data values
Number of data values

Median: Middle value

Mean, median, and range might be affected by an **outlier**.

Use the dot plot above to answer each question.

- 1. How would you describe the spread of the dot plot?
- 2. What is the mean? What is the median?
- 3. What do you think it means if a dot plot is symmetrical?



Environmental impacts of agricultural changes

By National Geographic Society, adapted by Newsela staff on 03.02.20 Word Count **819**

Level 1020L



Image 1. Terraced rice fields in Bali, Indonesia. These layered fields work well for rice crops, which must be grown in a flooded area. This is one agricultural method. Photo by: Cyril Ruoso/NaturePL/Science Source

Agricultural, or farming, methods have intensified continuously since the 18th century. The Industrial Revolution brought new equipment and farming methods that increased food production. In the mid-20th century, scientists discovered ways to produce stronger crops that produce more food, which increased crop harvests even further.



The increases in food production allowed the global population to grow quickly. In fact, it quadrupled in the past century. As the human population grew, so did the amount of space dedicated to feeding it. In 2016, more than 7 million square kilometers (2.7 million square miles) were devoted to growing corn, wheat, rice and other grains. That's nearly half of all cropland on the planet.

In the coming decades, however, feeding a growing population will likely be more difficult. Changing climates linked to Earth's warming are altering many of the natural processes that make modern agriculture possible.

Modern agriculture itself is also partly responsible for its problems. Farmers rely on many methods that are not sustainable. Farming sustainably means meeting the current needs without compromising the ability for future generations to meet their needs. Farmers often boost productivity in ways that also cause harmful effects on the environment. Below are brief descriptions of three ways intensive agriculture threatens ecosystems.

Irrigation

Agriculture accounts for 70 percent of freshwater use worldwide. Much of this water is used for irrigation, or the practice of watering crops through pipes, canals and sprinklers. Irrigation is needed to support large harvests. Experts predict that agricultural water use may need to increase 15 percent or more by 2050 to feed the growing population.

Researchers and farmers are becoming more aware of the consequences of irrigation. One major consequence is the depletion of rivers and underground water systems; however, there are a number of other effects. When irrigation floods a particular area, the soil changes. It also creates conditions that poison plant roots. When there is too little water in area, soils can become too salty, which also harms plant growth.



In addition, irrigation causes increases in water evaporation. This affects air temperature and pressure, as well as moisture conditions. Recent studies have confirmed that cropland irrigation can influence rainfall patterns -- not only over irrigated areas but also thousands of miles away. Irrigation has also been connected to the erosion of coastlines.

Livestock Grazing

A huge amount of agricultural land is used for cattle and other livestock. In the western United States, hundreds of millions of acres are set aside for livestock grazing, which is when animals eat grass in pastures.

Livestock are responsible for a large proportion of global greenhouse gas emissions. Greenhouse gases trap heat in Earth's atmosphere, causing the Earth to warm. Methane and carbon dioxide are two major greenhouse gases. Cows and their manure are responsible for releasing huge amounts of methane. Land use and destruction also lead to the release of carbon dioxide into the atmosphere.

In addition, overgrazing is a major problem for environmental sustainability. In some places, land is grazed so heavily that grasses are unable to grow back, and some native plants are so damaged that the species dies off. Cattle often concentrate near streams and other water ways. The combination of overgrazing and animal waste can pollute water sources. Cattle and other large grazing animals can even damage soil by trampling on it, destroying the top layer of soil and causing erosion.

Chemical Fertilizers

Modern agriculture has become heavily dependent on chemical fertilizers, which can help plants grow. The fertilizers usually contain nitrogen and phosphorus. They are particularly effective on corn, wheat and rice crops. In large part, they are responsible for the explosive growth of grain cultivation in recent decades. China, with its rapidly growing population, has become the world's leading producer of nitrogen fertilizers.

Chemical fertilizers have helped double the rate of food production. They have also helped bring about a gigantic increase in nitrogen and phosphorus levels throughout the environment. These nutrients have become pollutants. Roughly half the nitrogen in chemical fertilizers escapes from the fields where it is applied. It finds its way into the soil, air and water.

Large amounts of nitrogen and phosphorus harm ecosystems. Ecosystems can become loaded with too many nutrients -- this process is called eutrophication. In water bodies, eutrophication can cause toxic algae, or water plants, to grow. When the algae decay, they consume oxygen in the water. This leaves very little oxygen for other plants and animals in the water. These areas of little to no oxygen are called "dead zones" because organisms die without oxygen. Dead zones often occur in parts of the Gulf of Mexico.

As the population continues to grow, agricultural productivity and environmental health will clash. We will have to find ways to feed people without harming the ecosystems that we need for growing food.

Effects of Livestock Grazing

Effects of Chemical Fertilizers

Primary Source (Day 1 Assignment)

Definition:

A **primary source** gives you first-hand information about things that happened in the past because the authors were actually there.

Some examples of primary sources are: letters, diaries, journals, newspapers, maps.

What **primary sources** would you use to know more about what happened during September 11, 2001?

As **primary sources**, I would use _____





Secondary Source (Day 1 Assignment)

Definition:

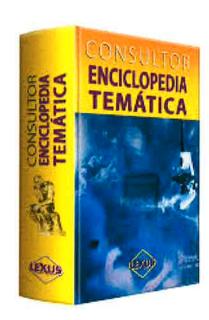
A **secondary source** tells you about an event but is from a time <u>after</u> the event. Secondary sources interpret, critique, or analyze primary sources.

Some examples of secondary sources are: textbooks, magazines, encyclopedias, reviews.

What **secondary source(s)** would you use to know more about what happened during September 11, 2001?

As **secondary sources**, I would use _____





Journal Entry-SAMPLE

Prompt: What are you doing to protect yourself?

It is April 8, 2020, there is a pandemic in the world, so people want to protect themselves from being infected. One thing I do to protect myself is wash my hands for at least 20 seconds with warm water. I also avoid touching my face. Something else I do is practice social distancing if I have to go outside. I stay six feet away from people at all times. Lastly, I wear a mask if I need to go places. Yesterday, I went to the supermarket with my mother and we made sure we had our masks on. I do not want to breathe any germs that might be in the air if someone coughs or sneezes. As you can see, I try to keep myself as safe as I can.



Let's take a closer look at the paragraph:

□ The paragraph includes a beginning, a middle, and an end.

Beginning =	Introduction	It is April 8, 2020, there is a pandemic in the world, so people want to protect themselves from being infected.
Middle =	Body	One thing I do to protect myself is wash my hands for at least 20 seconds with warm water. I also avoid touching my face. Something else I do is practice social distancing if I have to go outside. I stay six feet away from people at all times. Lastly, I wear a mask if I need to go places. Yesterday, I went to the supermarket with my mother and we made sure we had our masks on. I do not want to breathe any germs that might be in the air if someone coughs or sneezes.
End =	Conclusion	As you can see, I try to keep myself as safe as I can.



Let's take a closer look at the middle/body of the journal entry.

- □The middle/body of the entry includes main ideas and details.

 Main ideas are highlighted in green.
 - Details are highlighted in red.

Middle =	Body	One thing I do to protect myself is wash my hands for at least 20
		seconds with warm water. I also avoid touching my face. Something else
		I do is practice social distancing if I have to go outside. I stay six feet
		away from people at all times. Lastly, I wear a mask if I need to go
		places. Yesterday, I went to the supermarket with my mother and we
		made sure we had our masks on. I do not want to breathe any germs
<		that might be in the air if someone coughs or sneezes.

Main Ideas	Details
1. One thing I do to protect myself is wash my hands for at least 20 seconds with warm water.	
2. I also avoid touching my face.	
3. Something else I do is practice social distancing if I have to go outside.	➤ I stay six feet away from people at all times.
4. Lastly, I wear a mask if I need to go places.	Yesterday, I went to the supermarket with my mother and we made sure we had our masks on.
	➤ I do not want to breathe any germs that might be in the air if someone coughs or sneezes.

Here	you	can	see	that
------	-----	-----	-----	------

you can add details, examples, descriptions to any main idea you want to write more
about. Here the student wanted to add details for just main ideas 3 and 4. He added
one detail for main idea #3 and two details for main idea #4.

☐ You need to add transition words (words that link ideas) for a smooth writing. In this paragraph, those words are:

□ One thing

☐ Also

☐ Something else

□ Lastly

Consider all these tips when you write your journal entry!



"QUICK WRITE" RUBRIC (Journal Entries)

RUBRIC	FOCUS	ORGANIZATION	SUPPORT AND ELABORATION
4	 Writing is focused on responding to the prompt. Demonstrates deep understanding of key ideas. 	 Ideas are introduced in a mostly logical and effective order. Ideas can be easily understood by the reader. 	 Perceptive and insightful opinions and interpretations. Superior explanation of ideas.
3	 Writing is focused on responding to the prompt (may stray in areas,but gets back on topic). Demonstrates understanding of key ideas. 	 Ideas are introduced in a generally logical and effective order. Ideas can be understood by the reader. 	 Logical opinions and interpretations. Sufficient explanation of ideas.
2	 Somewhat focused on responding to the prompt (may have difficulty getting back on topic or may stray often) Demonstrates gaps in understanding of key ideas. 	 Ideas are introduced in a seldom logical order. Ideas can be sometimes understood by the reader. 	 Some logical opinions and interpretations. Somewhat limited explanation of ideas.
1	No attempt or focus on the prompt or subsitutes a different task. Demonstrates little or no understanding of key ideas.	 Ideas are randomly presented or merely listed. 	 Illogical opinions and interpretations. Little or no attempt at explanation of ideas.

Journal Writing Entry 1

Introduction: One way that we understand the past is by using **primary sources**, such as letters, diaries, newspapers, original pictures, recordings, speeches, and journals. Many years from now your descendants may want to know what life was like during a pandemic. They may wonder what you went through, how you felt, and how your life changed.

For this activity, you are going to help them learn about the 2020 pandemic by writing journal entries. For **Day 1**, the focus of the journal entry is going to be **YOU**.

Here are three **prompts** that can help you get started:

- 1. How are you spending your day?
- 2. What are you doing to keep yourself entertained?
- 3. What are you doing to protect yourself?

Write a paragraph in English about one of the prompts above.

- Your paragraph should include at least three complete sentences and should have a beginning, a middle, and an end.
- Use descriptions, details, and examples to make your writing interesting.
- Check your writing for correct grammar, capital letters, punctuation, and spelling.

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Journal Writing Entry 2

For Day 2, the focus of your journal entry is going to be your family and/or friends.

Here are three prompts that can help you get started:

- 1. What are you doing to keep in touch with other family members or friends? Are any of them in different cities, states, countries? How are things in their neighborhood?
- 2. What kinds of activities are you doing with your family?
- 3. What things would you like to do with your family or your friends when things go back to normal?

Write a paragraph in English about one of the prompts above.

- Your paragraph should include at least three complete sentences and should have a beginning, a middle, and an end.
- Use descriptions, details, and examples to make your writing interesting.
- Check your writing for correct grammar, capital letters, punctuation, and spelling.

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