

Online Learning Lessons for 8th Grade

Directions: Please complete the following work below for each subject. This work will count toward your final grade and must be complete to get credit for attendance.

Student Name _____ FOR _____ **Wednesday, April 22nd** _____

ELA - Toberman

Chapter 17 Gathering Blue Assignments. If completed choose an article from the NewsELA Coronavirus Text Set 3 posted on Classroom. (Optional Extra Credit: Daily Journal Project)

Parent Initials: _____

ELA - Grahonya

Students will be reading Chapter 4 in *A Wrinkle in Time* and completing the vocabulary, comprehension, and constructed response assignments. See **Grahonya English Google Classroom** for further information and a link to an audio copy of the book. Students may submit this assignment via google classroom or turn it in upon return to school. This assignment will be due April 23rd.

Parent Initials: _____

Math

Complete Exponent Division Expanded Method - Worksheet 1. See **Math Google Classroom** for directions. Students may submit their presentation via google classroom or turn it in via paper/pencil.

Parent Initials: _____

Science - Hebert

Online- Begin Habitat Webquest (Offline do the Truth Behind Bottled Water article)

Parent Initials: _____

Science - Grahonya

Students will write a summary paragraph for the article *Penguins Article*. The paragraph needs to be 5-8 sentences in length. See **Grahonya Science Google Classroom** for further information. Students may submit this assignment via google classroom or turn it in upon return to school.

Parent Initials: _____

History/Social Studies - Hebert

Read the Black Lives Matter article and complete the questions

Parent Initials: _____

History/Social Studies - Grahonya

Students will write a summary paragraph for the article *Protesting Nuclear Weapons*. The paragraph needs to be 5-8 sentences in length. See **Grahonya History Google Classroom** for further information. Students may submit this assignment via google classroom or turn it in upon return to school.

Parent Initials: _____

Parent Signature: _____

If you have questions, please email your teacher.

Thank you!

Mrs. Russell krussell@mcusd1.net

Mrs. Hebert khebert@mcusd1.net

Mr. Toberman btoberman@mcusd1.net

Mr. Grahonya jgrahonya@mcusd1.net

<p>Teacher Hours: 9:00 am - 11:30 am 12:30 pm - 2:30 pm</p>
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Gathering Blue E-Learning Literature Circle

Use this template to complete your Chapter Annotations and Summaries for Gathering Blue. For each chapter you will complete a separate copy of this template. Submit your completed template FOR EACH CHAPTER on Google Classroom, or hold on to your templates to be submitted upon returning to school.

Name _____ Chapter _____

Chapter Annotations:

1.

2.

3.

4.

5.

(You may do extra annotations for extra credit)

Exponent Division Rule – Notes

*When seeing a division problem with exponents, there are two methods to simplify the problem. The one we will work on today is the **expanding method**.

Example	Expanded Form & Simplify	Simplified Answer
$\frac{3^5}{3^2}$	$\frac{3 \cdot 3 \cdot 3 \cdot 3 \cdot 3}{3 \cdot 3} = \frac{\overset{1}{\cancel{3}} \cdot \overset{1}{\cancel{3}} \cdot 3 \cdot 3 \cdot 3}{\cancel{3} \cdot \cancel{3}}$	3^3
$\frac{18x^7}{3x^3}$	$\frac{18 \cdot x \cdot x \cdot x \cdot x \cdot x \cdot x \cdot x}{3 \cdot x \cdot x \cdot x} = \frac{\overset{6}{\cancel{18}} \cdot \cancel{x} \cdot \cancel{x} \cdot \cancel{x} \cdot x \cdot x \cdot x \cdot x}{\cancel{3} \cdot \cancel{x} \cdot \cancel{x} \cdot \cancel{x}}$	$6x^4$
$\frac{4x^4y^2}{14xy^6}$	$\frac{4 \cdot x \cdot x \cdot x \cdot x \cdot y \cdot y}{14 \cdot x \cdot y \cdot y \cdot y \cdot y \cdot y \cdot y} = \frac{\overset{2}{\cancel{4}} \cdot \cancel{x} \cdot x \cdot x \cdot x \cdot \cancel{y} \cdot \cancel{y}}{\overset{7}{\cancel{14}} \cdot \cancel{x} \cdot y \cdot y \cdot y \cdot \cancel{y} \cdot \cancel{y} \cdot y}$ Note: divide both 4 and 14 by 2	$\frac{2x^3}{7y^3}$

Example with Steps Listed:

$$\frac{2^7}{2^3} = \frac{2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2}{2 \cdot 2 \cdot 2}$$

Expand out both the numerator & denominator

$$= \frac{\overset{1}{\cancel{2}} \cdot \cancel{2} \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2}{\cancel{2} \cdot \cancel{2} \cdot \cancel{2}}$$

"Cancel" all identical items in the numerator & denominator

$$= 2^4$$

Simplify the numerator & denominator back to exponential form

Exponent Division Rule Expanded Method – Worksheet

*Simplify the following problems by expanding first.

Write the following without using exponents and then simplify. QUOTIENT (Divide)		
30. $\frac{4^5}{4^2}$	31. $\frac{h^8}{h^3}$	32. $\frac{15x^7}{3x^2}$
33. $\frac{3b^6}{12b^4}$	34. $\frac{2x^5y^3}{6x^2y}$	35. $\frac{4^5a^5b^3}{4^2a^3h^2}$

THE TRUTH BEHIND BOTTLED WATER

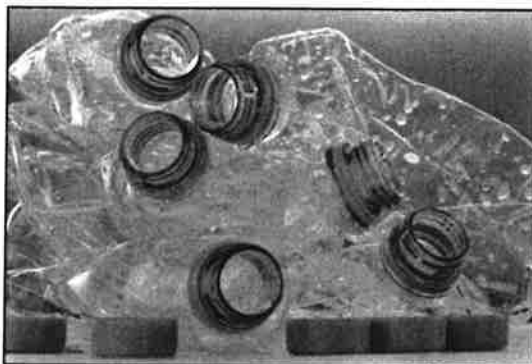
40

(1) Even though your tap water is most likely clean and safe to drink, you've probably used a lot of bottled water in your life, or know people who do. Why would anyone pay for bottled water when they have easy access to drinking water in their home? Our modern day concept of bottled water only began when the French company, Perrier, expanded into the North American market in 1976. They began an intensive advertising campaign to convince Americans that bottled water should be a significant beverage choice. Up to that point, almost everyone got their drinking water from wells or their taps and would never think of buying bottled water.

(2) Initially it was hard for bottled water companies to convince the average citizen to pay for water, so these companies began marketing campaigns that made tap water seem unhealthy and bottled water seem like the safer choice. Huge bottled water brands like Dasani (owned by Coca-Cola) and Aquafina (owned by Pepsi) now admit that they use tap water in their bottles, though years of misleading marketing have made most consumers think that bottled water comes from a superior and healthier natural source. For example, the brand Everest Water isn't from Mount Everest, it's from Corpus Christi Texas, and Glacier Clear isn't from a glacier, it's from taps in Greenville Tennessee.

(3) Why have 30% - 40% of bottled water companies decided to use tap water? It's because they recognize that tap water is safe and also very cheap. They can make huge profits by charging consumers a large price for something that's very inexpensive for them to make. Manufacturers spend less than 10 cents to make one bottle of water while they charge consumers \$0.99 to \$2.50 to buy it. Per liter, bottled water is more expensive than the gasoline we put in cars. Bottled water companies have been so successful that bottled water now outsells alcohol, juice and soda in North America. North Americans spend over \$16 billion on bottled water a year.

(4) Bottled water is usually contained in PET / PETE bottles. PET is short for polyethylene terephthalate which is the most common type of plastic used for soda, juice and water



containers. You will find a number 1 on the bottom of a PET bottle which indicates that the material is PET and can be recycled. PET has been the material of choice for plastic bottles because it seals in liquids, is lightweight, impact resistant and can be made transparent. It's also cheap for manufacturers to make so this helps keep their costs down and keeps their profits high.



(5) PET is a pretty remarkable material, but it has its downsides. PET is made from naphtha, which comes from non-renewable fossil fuels like natural gas and petroleum. Though it's recyclable, only 60%-70% of PET plastic bottles make it into the recycling system, and for those bottles that are recycled, most are actually "down-cycled". This means that used plastic bottles are turned into a lower quality materials that aren't as strong as the original PET. Once PET has been down-cycled into another product, it usually isn't strong enough to be down-cycled again after that product is no longer of use. That's when it ends up in a landfill. Down-cycled PET materials are typically used to make furniture, carpets and polar fleece for clothing.

(6) Before the adoption of plastic beverage bottles, most beverages came in refillable glass containers. To this day, some places in North America still accept glass wine and beer bottle returns. When this happens, the average beer bottle is cleaned and refilled up to 15 times before it finds itself broken and in need of recycling. This type of reuse saves a lot of materials and energy because there was no need to make 14 brand new bottles. Refilling

The Black Lives Matter Movement

Freckle Level: 8C

In 2013, George Zimmerman, a man accused of murder in the shooting death of a young, black teen named Trayvon Martin, was found not guilty. Following Zimmerman's **acquittal**, the **Black Lives Matter** movement began development in the midst of outrage over the injustice of the trial's outcome. The movement grew as continued instances of innocent black men and women being killed surfaced over the next several years. Through the use of social media and public demonstrations and protests, Black Lives Matter has spread awareness of **systemic racism** across the nation.

A Tragic Beginning

In 2012, the murder trial of George Zimmerman took place in Florida. Zimmerman was charged with murdering an unarmed 17-year-old black teenager named Trayvon Martin. Zimmerman shot Trayvon Martin with a handgun in a gated community, where Zimmerman was the neighborhood watch coordinator. Zimmerman accused Martin prompting his own death through seemingly threatening actions. The jury ruled that Zimmerman was defending himself, even though the young man carried no weapon.



A photo of Trayvon Martin wearing a hoodie as he was wearing on the night of the shooting

Outrage sparked across the United States. In response, three community organizers, Alicia Garza, Patrisse Cullors, and Opal Tometi, established a means for people to use social media to express their outrage and to draw attention to other examples of systemic racism in America. Garza wrote a posting on Facebook about the acquittal. In it, she used the phrase "black lives matter." Cullors picked up the phrase, turning into a hashtag to be used on Twitter (**#BlackLivesMatter**). The hashtag spread and solidified

Writing

Skills: Argument, Writing Conventions, Drawing Evidence

- Which is a more effective way to spread a message: social media or protests? Why? Use evidence from the text to support your answer.

Vocab

- established
- solidified
- predominantly
- civil
- subsequent
- prominent
- activist
- inception

Reading

Skills:

- RI.1: Explicit Information
- RI.4: Word Meaning & Choice

RI.1: Explicit Information

Which of the following inferences can be drawn about the death of Trayvon Martin? Select all that apply.

George Zimmerman knew Trayvon Martin and did not like him.



A memorial for Michael Brown

Subsequent protests and peaceful demonstrations were organized by Black Lives Matter members throughout 2014. They continued through the next several years. Some were organized by the movement itself, while others were created by other organizations but supported by Black Lives Matter members.

The Unique Structure of the Movement

The founders of Black Lives Matter say they were inspired by other civil rights movements in the United States, such as the African American Civil Rights Movement, Black Power, and Occupy Wall Street. However, the structure and focus of the movement deviates significantly from the approaches of previous generations of black leaders.

The Black Lives Matter movement is relatively unstructured and is decentralized. While there are several prominent leaders within the movement, it focuses primarily on the actions of local groups. Through an online network, the larger movement shares its core values and guidelines. Local groups are asked to agree to these guidelines when identifying with Black Lives Matter. However, they are called upon to use their own structures and to develop their own actions to create regional impact.



Black Lives Matter protest on a college campus

Within the core values and guidelines of the Black Lives Matter movement there is focus on issues of systemic racism affecting those often at the fringes of racial equity actions. The movement encourages focus on black Americans with disabilities, those in the trans community, and those who are imprisoned. It also looks at the effects of systemic racism on black mothers. These

racism that is built into our society

racism that is no longer a part of society

actions that are obviously racist

words that are obviously racist

RI.4: Word Meaning & Choice

What does it mean for somebody to be "acquitted" of a crime?

pled guilty

found guilty

found not guilty

released from jail

RI.4: Word Meaning & Choice

What does the word "seemingly" imply in the second paragraph?

Trayvon's actions were extremely threatening.

Trayvon was carrying a threatening weapon.

Trayvon looked like somebody Zimmerman knew.

Trayvon's actions were not actually threatening.