

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 _____ **Tuesday, April 14th** _____

ELA - Toberman

Chapter 12 *Gathering Blue* Assignments. If completed choose an article from the [NewsELA Coronavirus Text Set 1](#) posted on Classroom. (Optional Extra Credit: [Daily Journal Project](#))

Parent Initials: _____

ELA - Grahonya

Students will be reading Chapter 3 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 15th.

Parent Initials: _____

Math

Complete [Exponents Introduction Assignment](#). 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

Continue working on Habitat it's a Seller's Market Project (Today is the last day for this project)

Parent Initials: _____

Science - Grahonya

Students will write a summary paragraph for the article *Butterfly 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

Delano Grape Strike Questions

Parent Initials: _____

History/Social Studies - Grahonya

Students will write a summary paragraph for the article *Cold War: An Age of Two Global Economies*. 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.

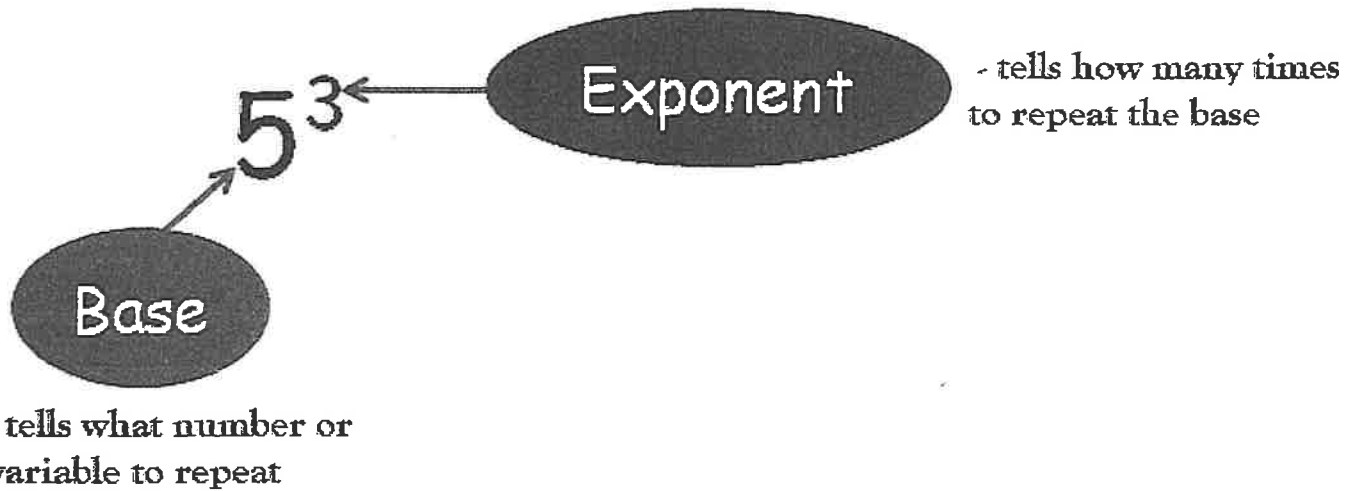
4.

5.

(You may do extra annotations for extra credit)

Exponents Introduction Notes

- > Exponents show repeated multiplication
- > Exponents represent how many times a number or variable is multiplied by itself



Two Ways to Represent the Power

Exponential Form \longleftrightarrow Expanded Form

$$10^4$$

$$10 \cdot 10 \cdot 10 \cdot 10$$

Worked Out Examples

A) Identify the base and exponent in each of the following.

1) $\left(-\frac{9}{5}\right)^{-5}$

Base = $-\frac{9}{5}$

Exponent = -5

2) $\left(-\frac{1}{2}\right)^{-4}$

Base = $-\frac{1}{2}$

Exponent = 4

3) 15^{-2}

Base = 15

Exponent = -2

4) $(-8.3)^7$

Base = _____

Exponent = _____

5) $\left(\frac{4}{7}\right)^3$

Base = _____

Exponent = _____

6) $\left(-\frac{5}{3}\right)^{-1}$

Base = _____

Exponent = _____

B) Write the numerals in exponential form with the given base and exponent.

S.No	Base	Exponent	Exponential Form
1)	$-\frac{7}{4}$	6	$\left(-\frac{7}{4}\right)^6$
2)	14	-8	
3)	-6.1	0	
4)	$\frac{3}{8}$	2	

C) 1) Which of the following has 5 as the exponent?

i) $\left(\frac{2}{9}\right)^5$

ii) 5^{-10}

iii) $\left(\frac{3}{7}\right)^9$

iv) $(-11)^{-7}$

2) Which of the following has $\frac{4}{5}$ as the base?

i) 12^2

ii) $\left(\frac{4}{5}\right)^3$

iii) $(0.1)^{-4}$

iv) $\left(\frac{4}{9}\right)^7$

Write the following using exponents:

a. $4 \cdot 4 \cdot 4 \cdot 4 \cdot 4 \cdot 4$

$$4^6$$

b. $(-3)(-3)(-3)$

$$(-3)^3$$

c. $\left(\frac{2}{5}\right)\left(\frac{2}{5}\right)\left(\frac{2}{5}\right)\left(\frac{2}{5}\right)\left(\frac{2}{5}\right)$

$$\left(\frac{2}{5}\right)^5$$

d. $x \cdot x \cdot x \cdot x$

$$x^4$$

e. $\underbrace{5 \cdot 5}_{5^2} \cdot \underbrace{y \cdot y \cdot y \cdot y \cdot y}_{y^5}$

$$5^2 \cdot y^5$$

f. $\underbrace{3 \cdot 3 \cdot 3}_{3^3} \cdot \underbrace{x \cdot x}_{x^2} \cdot \underbrace{y \cdot y \cdot y \cdot y}_{y^4}$

$$3^3 \cdot x^2 \cdot y^4$$

Expand

Write the following without using exponents:

a. 4^3

$$4 \cdot 4 \cdot 4$$

b. $\left(\frac{2}{3}\right)^5$

$$\left(\frac{2}{3}\right)\left(\frac{2}{3}\right)\left(\frac{2}{3}\right)\left(\frac{2}{3}\right)\left(\frac{2}{3}\right)$$

c. $(-3)^5$

$$(-3)(-3)(-3)(-3)(-3)$$

d. m^5

$$m \cdot m \cdot m \cdot m \cdot m$$

e. $\underbrace{3^2}_{3 \cdot 3} x^5$

$$3 \cdot 3 \cdot x \cdot x \cdot x \cdot x \cdot x$$

f. $5^4 x^2 y^3$

$$5 \cdot 5 \cdot 5 \cdot 5 \cdot x \cdot x \cdot y \cdot y \cdot y$$

Exponents Introduction Worksheet

A) Identify the base and exponent in each of the following.

1) $\left(-\frac{9}{5}\right)^5$

Base = _____

Exponent = _____

2) $\left(-\frac{1}{2}\right)^4$

Base = _____

Exponent = _____

3) 15^{-2}

Base = _____

Exponent = _____

4) $(-8.3)^7$

Base = _____

Exponent = _____

5) $\left(\frac{4}{7}\right)^3$

Base = _____

Exponent = _____

6) $\left(-\frac{5}{3}\right)^{-1}$

Base = _____

Exponent = _____

B) Write the numerals in exponential form with the given base and exponent.

S.No	Base	Exponent	Exponential Form
1)	$-\frac{7}{4}$	6	
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2) Which of the following has $\frac{4}{5}$ as the base?

i) 12^2

ii) $\left(\frac{4}{5}\right)^3$

iii) $(0.1)^{-4}$

iv) $\left(\frac{4}{9}\right)^7$

Write the following using exponents. CONDENSE

1. $4 \cdot 4 \cdot 4 \cdot 4$

2. $x \cdot x \cdot x \cdot x \cdot x \cdot x \cdot x$

3. $2 \cdot 2 \cdot y \cdot y \cdot y$

4. $\left(\frac{1}{4}\right)\left(\frac{1}{4}\right)\left(\frac{1}{4}\right)\left(\frac{1}{4}\right)\left(\frac{1}{4}\right)$

5. $3 \cdot 3 \cdot 3 \cdot x \cdot x \cdot y \cdot y \cdot y \cdot y$

6. $(-2)(-2)(m)(m)(m)$

7. $5 \cdot 5 \cdot m \cdot n \cdot n \cdot n \cdot n$

Write the following without using exponents. EXPAND

8. 7^5

9. m^3

10. 6^3y^2

11. $\left(\frac{2}{3}\right)^3$

12. 4^3w^2

13. $\left(\frac{4}{5}\right)^3 x^4$

14. $2a^3b^4$

15. $3^2x^5y^2$



Delano Grape Strike (1965)

Discussion Questions

1. Why did the farmworkers decide to strike instead of implementing another form of protest?
2. Besides the labor strike itself, what other methods of protest did the farmworkers employ to put pressure on the farms?
3. Why did Cesar Chavez emphasize a nonviolent approach to the farmworkers' struggle?
4. What were the factions (individuals or organizations) against the farmworkers? Who did they have to struggle against?
5. Ultimately, what were the concrete changes and benefits that the farmworkers received after the strike ended?
6. What were the long-term effects of the strike on other farmworkers and farms across the country?

