



Fifth Graders Summer Assignments

Our first unit of inquiry is How We Organize Ourselves. We will be learning about various ways that things are organized in history, nature, and in math. Systems of organization can help in making decisions, or in how things work and flow.

Central Idea: Society uses organizations for decision making

Lines of Inquiry:

- Structure of government
 - o Example: 3 branches of government
- Foundation and formation of government
 - o Laws/Rules, Constitution
- Man made organizations vs. Natural made organizations
 - o Man-made: Congress
 - o Natural-made: 3 states of matter

Directions:

1. Look through the list of fiction and nonfiction books on the next page. You must choose and read **ONE FICTION** book **and** **ONE NON-FICTION** book.
2. Read through the fiction activity choices and nonfiction activity choices
 - a. You must complete one fiction activity **and** one nonfiction activity
3. You should be as creative as you can be with the guidelines listed below.
4. You must submit your work to your teacher on the first day of school – August

Fiction Activity Choices (must choose one to complete):

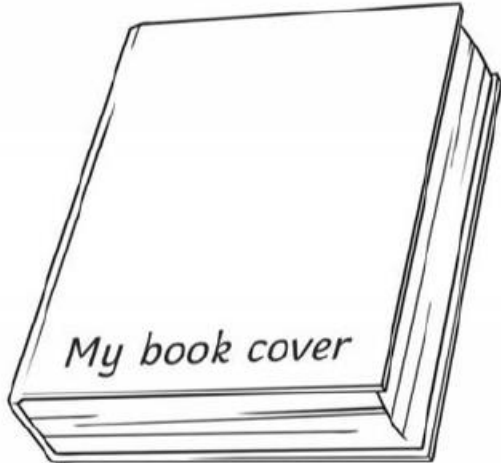
1. Complete the Book Review worksheet.
2. Write a character diary, writing at least five journal entries as if you are the main character in the story. Write down events that happen during the story and reflect on how they affected the character and why. Think about and include how did the character organizes themselves and how did organizations (governments, cultural rules, etc.) affect them
3. Create an infographic for the novel. Use words, pictures, charts, etc. to tell about the novel that you read. Include – characters, setting, problem/solution, theme, organizations (governments, cultural, etc.).
 - a. This website has many examples of infographics for different novels. Some of the novels are at a much higher reading and interest level.
<https://www.coursehero.com/infographics/>

Nonfiction Activity Choices (must choose one to complete):

1. Create a newspaper section using the template provided about the topic in the nonfiction book you read. Be sure to include important people, important facts/information, and how it ties into unit
2. Create 5 “Fun Fact Cards” using index cards or paper of similar size. On left hand side of the card, draw a picture or diagram. Then on the right, list the fun facts of the topic. Make sure you are

| | |
|---|--|
| <h2 style="text-align: center;">Fun Fact Card</h2> <div style="border: 1px solid black; height: 200px; width: 100%;"></div> | <p>Topic: _____</p> <h3 style="text-align: center;">Fun Facts</h3> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <p>Card created by: _____</p> |
|---|--|

Book Review



Plot

Event 1 _____

Event 2 _____

Event 3 _____

Cause and Effect of one of the events in the book

Cause



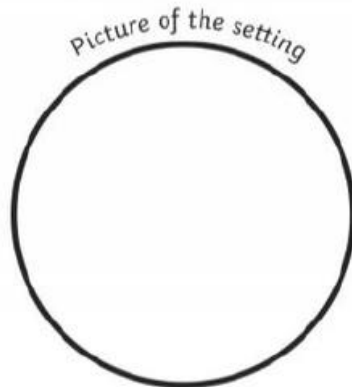
Effect

My Star Rating

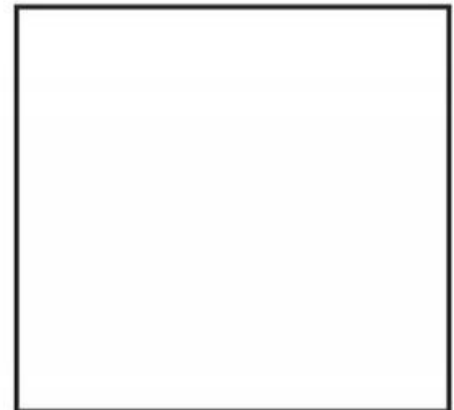


Why I rated the book _____ stars

Setting



Character



Name _____

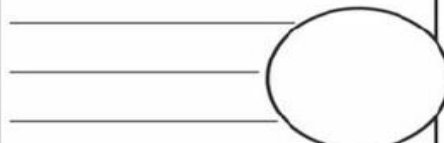
Personality _____

Physical Appearance _____

How I feel about this character
and why: _____

This book made me feel

_____ because



draw how you felt!

Daily News

Journalist _____

Date _____

Title:

Title:



UPLIFT NORTH HILLS PREPARATORY

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Math/Science

Math fluency is vital to success in 5th grade. If you lack confidence in your multiplication facts, please spend time each day working on that through flash cards or games.

Directions: You will complete one of the following math choices:

Design a Board Game

Design a board game that shows your comprehension of one of the following math concepts: fractions, decimals, financial literacy, or geometry.


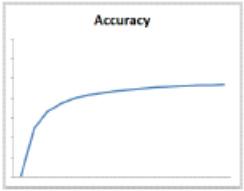

- Draw the board on a heavy piece of paper or cardboard or create the board digitally
- Create markers or pieces
- Make or use a spinner or die to move spaces around the board
- Create at least 20 math questions to be used in the game
- Create and include a set of rules


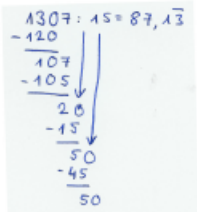
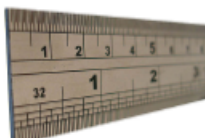
Complete the attached Summer Math Choice Board.

The attached Choice Board has ideas of ways to involve yourself and your family with math. Complete two activities from each row. Include documentation of each of the activities (pictures, summaries, or documents).

Optional Activities: Current UNHP scholars will have access to iReady and Summit K-12 (Science). Challenge yourself to see how many lessons you can complete in each subject.

Summer Math Choice Board

| | | | |
|---|--|---|---|
| Money/Time  | #1 Cut out and paste three grocery store items from a newspaper circular. What would the total cost be? | #2 Plan a meal using a take-out menu. Spend between \$14 and \$16 dollars. List what you ordered, and the total cost. | #3 You are paid \$9.50 an hour for mowing. You mow 3 hours. What do you earn? |
| Estimation  | #6 You need to make hotdogs for 48 people. Hotdogs come in packages of 10. Buns come in packages of 12. How many packages of hotdogs and buns do you need to buy? | #7 If a movie costs \$7.25, popcorn costs \$2.75 and a drink costs \$1.85, ABOUT how much should you bring to the movie theater? | #8 Clip out an ads for 5 items you would like. Estimate the total cost without tax to the nearest dollar. |
| Addition/ Subtraction + and - | #11 Matt weighs 120 lbs. If someone else weighs 210 pounds, how much more do they weigh than Matt? | #12 List 10 different combinations of two 2- digit numbers that equal 100. | #13 Create two 4-digit numbers using the following numbers: 3, 5, 7, and 8 so you get the largest possible difference. |
| Fractions  | #15 Find a recipe for a favorite food such as chocolate chip cookies. Write down the fractions and mixed numbers in order from least to greatest. | #16 Draw a tic-tac-toe frame. Put an X in $\frac{2}{3}$ of the boxes. | #17 Write your complete first and last name. What fraction of the letters are consonants? Vowels? |

| | | | |
|--|--|---|---|
| Multiplication  | # 20 If vowels cost \$15 each and consonants cost \$50 each, write a word that would cost \$230 to build. | #21 Count the number of televisions and telephones you have in your home. Tell as much as you can about the number. (odd/even, prime/composite, multiples, etc.) | # 22 Write and solve a summer story problem for $15 \times 8 =$. |
| Division  | #24 Stacy's coach told her she should drink 4 gallons of water every week. How many 8 oz glasses of water should she drink each week? (Hint: 1 gallon = 128 oz) | #25. If you and three friends go to the Mall and spend \$12.40 in all on ice cream, how much will each of you pay? Use a picture to show your work. | #26 When we simplify a fraction we divide by the Greatest Common Factor. What's the GCF of 15 and 20? (The largest number that will go in to both. |
| Measurement  | #29 Watch the weather report for 5 days, record the daily high and low temperature – for a total of 10 temperatures. Make a Bar Graph. | #30 Ask an adult to share an Iowa road map with you. (Or find one online.) What is the scale for that map? What town is about 60 miles away from Mason City? | #31 Take a step forward and measure the length of your step from the heel of your front foot to the back heel of your other foot in inches. Go for a walk and keep count of how many steps you take. How many inches did you walk? |
| GEOMETRY | #34 Draw and label: square, pentagon, hexagon, septagon, octagon, nonagon, and decagon. Write the number of sides inside each polygon. | #35 Aaron is planting a garden in his backyard. The length of the garden is 6 feet and width is 9 feet. What is the area of the garden? What is the perimeter of the garden? | # 36 Using all 7 tangram pieces make ONE of the following shapes: square, rectangle, triangle, parallelogram or trapezoid. |