

Class Fraction Book Project

This project is designed to help us create an explanatory book about fractions. The topics that will be covered in our book are:

- What is a fraction?
- Equivalent Fractions
- Comparing Fractions
- Adding Fractions
- Subtracting Fractions
- Mixed Numbers

How will it work?

We will work in teams of 3 and 4. Each team will be given a topic to focus on.

To begin, your team will take pictures around the school of real-life objects that can be explained in fraction terms. We will use digital cameras for this part of the project.

Examples:

- There are two doors. One of them is closed. One-half of the doors are closed.
- There are three people in the line. Two are wearing blue. Two-thirds of the people are wearing blue.

After we have collected our pictures, your group will pick one to put into the class book. Then you will write an **explanatory paragraph** about the picture as a group. Your paragraph must have:

- a topic sentence (top hamburger bun)
- supporting details (juicy meat, tomatoes, ketchup, etc.)
- closing sentence (bottom hamburger bun)

The last step in publishing our book will be done in the computer lab using Photo Story. You will type your explanatory paragraph on the picture. Then, we will record the group reading the paragraph. The final published "book" will have the written paragraph on the pictures and your voices reading the story.

Grading: 50 points

Each group will be assigned an overall grade by the teacher. Also, each person will grade himself/herself on participation and grade the other group members on participation.

Rubric

	<i>Excellent Work</i>	<i>Satisfactory Work</i>	<i>Needs More Work</i>
Writing	20 points	15 points	10 points
	Writing follows correct explanatory paragraph structure. There is a strong topic sentence, details, and a closing sentence. Third grade level words are spelled correctly and capitalization and punctuation is used correctly. The writing states <i>only</i> facts about the picture.	Writing follows correct explanatory paragraph structure. There is a topic sentence, details, and a closing sentence. There are some misspelled words and misused capitalization and punctuation. The writing states mainly facts about the picture, but may have some opinions.	Writing does not follow correct explanatory paragraph structure. There is <u>NOT</u> a clear topic sentence, details, and a closing sentence. There are many misspelled words and misused capitalization and punctuation. The writing mainly states opinions or thoughts about the picture.
Mathematics	20 points	15 points	10 points
	Picture and writing clearly state and give an example of the math topic. A third grader would be able to learn about fractions from the picture and writing.	Picture and writing state and/or gives an example about the math topic, but one or both needs further information to be understood.	Picture and writing do <u>NOT</u> define or provide a clear example about the math topic. Needs much more information to be understood.
Technology	10 points	5 points	0 points
	Maturely used technology. Followed directions with the digital camera and in the computer lab. Asked questions when needing help.	Needed directions repeated more than three times. Did <u>NOT</u> ask for help when needed.	Reckless with technology. Did <u>NOT</u> follow directions. Unable to satisfactorily complete the book.
Total	50 points	35 points	20 points

Participation Rubric

	ALWAYS	SOMETIMES	NEVER
Name: _____ During Group Work...			
I shared my ideas with the group.			
I worked well with my ideas.			
I listened to my partners' ideas.			
I helped make our part of the book.			
I did my best in the group.			

	ALWAYS	SOMETIMES	NEVER
Name: _____ During Group Work...			
My group worked well together.			
My group shared ideas with each other.			
My group listened to each other.			
We all helped make our part of the book.			
We did our best as a group.			