Assignment example: Perspectives-based fraction assignment

Fraction reaction

Just who cares about fractions? Lots of people do! Think like one of the following people and complete an activity they would complete:

- Be a **GAMER!** Create a board or card game that uses fractions as a key component of winning. Write the directions for playing.

- Be an **ARCHITECT!** Create a map of your school's grounds or a section of your playground using a scale of 1 foot = ¼ inch

- Be a **SPORTS COMMENTATOR!** Take a stack of baseball cards. For each baseball player, look at the batting average. Make a chart of those averages, which are decimals, and change those decimals into fractions. Make the fractions as simplified as you can.

- Be a **CHEF!** Look in one of the cookbooks you have at home and choose a recipe that you like with at least 6 ingredients. Write the ingredients and the amount from that recipe below, then figure out how much you need of each ingredient for these servings:

Ingredient	Amount in recipe	Double	Half	1 ½	Triple	1 serving

Ask your cafeteria manager or your mother which ingredients in your recipe must stay the same proportions and which can be changed. For example, you can change the amount of chocolate chips in a cookie, but not the amount of flour. Predict which

ingredients can and cannot be changed from another recipe. Write at least two paragraphs on your findings.

- Be an **ARTIST!** Find directions for making an origami creation. When you have completed it, unfold it and write in each section the estimated fraction that each section is of the whole piece of paper. OR create a collage representing different fractions and express on the collage what fractions they are.

- Be a **CENSUS TAKER!** What fractions are represented by the people at your school? Take surveys to find answers to questions you create and express them in fractions. For example: "My class is ½ boys and ½ girls." "Of the students in my class, 12/25 like Pepsi and 13/25 like Coke." "1/5 of the students in my class brought their lunch today and 4/5 bought their lunch in the cafeteria," etc.

- Be a **CARTOONIST!** Create a cartoon in which ½ has to divide itself. Be creative about why this happens and how it takes place.

- Be an **ADVERTISING EXECUTIVE!** Create a commercial that advertises a special item for sale. Use at least 6 different fractions to convince someone to buy the item. Be creative!

- Be a **TEACHER!** Create a PowerPoint presentation that teaches someone how to add and subtract fractions.

- Be a **WRITER!** Write a story about a fraction. Within the story, show your understanding of equivalent fractions, fractions with like and unlike denominators, and the addition of fractions.