MULTIPLES AND FACTORS

Math and Creative Writing Enrichment Project

Which Would You Rather Be?

A Multiple Monster?

Or a Factor Ninja?

Grades 4th-5th
By Gina Kennedy

Math Project Rubric:

The directions were followed in the project and
all the components were included: ………….……………30pts._____

The math data included in the project
was accurate…………………………….…………….………30pts._____

The project looked neat and organized……………..…………20pts._____

The student showed knowledge of factors and
multiples………………………………………………………...15pts._____

Project was completed by the due date…………..…………5pts._____

Total Points Possible……………………………………………100pts._____

Student's Name_____

Total Points_____

Grade_____

Would You Rather Be a "Multiple" Monster?

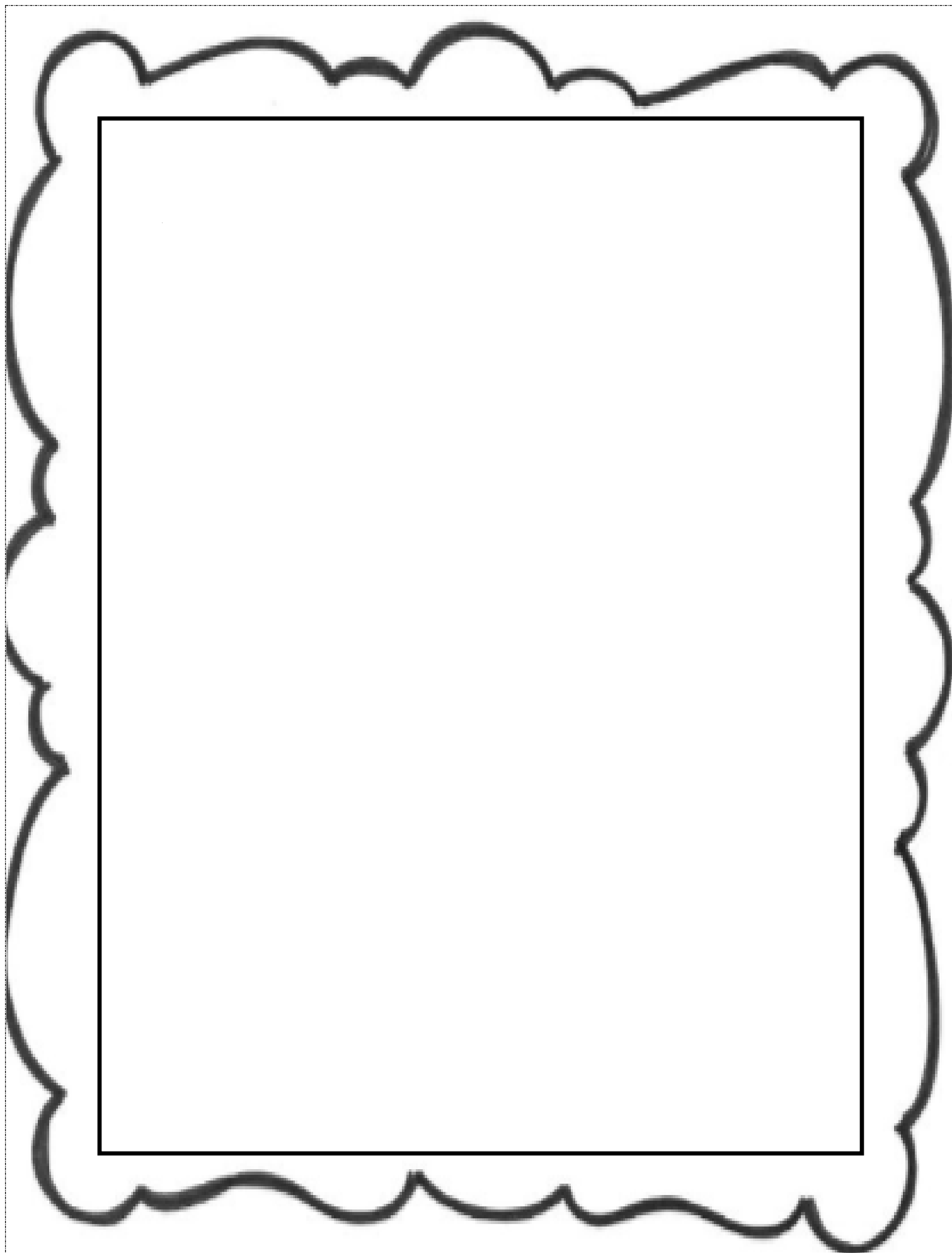# Or a Factor Ninja?

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Which Would You Rather Be?

The Mission: You have just found out that in one day you will become either a **"Factor Ninja"** or a **"Multiple Monster".** Read the bios of each math character to better understand the personality of each one and how they live. Then you will write an essay describing your choice of which you'd rather be using the guidelines below. You will then create an illustration using the guidelines to accompany your composition.

Directions:

1. Your essay must be at least one typed (two written) pages and include the following:
   - **a.** Why you chose to be that particular math character; with at least four reasons to defend your choice.
   - **b.** Include three ways that your life will change when you become either the "Factor Ninja" or the "Multiple Monster."
   - **c.** Three ways that you will try to change the world by becoming your math character.
   - **d.** Two ways that you will attempt to conquer the enemy (the math character that you didn't choose.)

2. Include an illustration of what you will look like as a "Factor Ninja" or "Multiple Monster." The illustration should be:
   - **a.** Your "ninja" or "monster" should be in full color.
   - **b.** It should be at least 6"x10"
   - **c.** It should have three traits that resemble you (hair color, eye color, etc.)
   - **d.** The figure should be cut out.

Become a "Factor Ninja" and your life will never be the same.

Frame Template for Illustration

By_____   Date_____

_____
Title

Multiple Monster Bio:

Known For: Being the infamous product of multiplying a whole number by a whole number.

Self-Description: I am the product of a number and any other whole number.

Life Ambition: Multiplying numbers and creating new multiples in ten different languages throughout the world in my effort to destroy all the destructive factors.

Interests:

- **Hanging out with whole numbers and their first four "multiple cousins" at the Multiple Monster Mall.**
- **Thinking of "Factors are so………..Jokes" to share with other multiples.**
- **Helping unemployed factors multiply their talents to create more jobs for the unfortunate factors whose bills are multiplying as well.**

Free-Time Activity: Matchmaking by finding the LCM (least common multiple) of two of his "single" whole number friends.

Factor Ninja Bio:

Known For: Dividing numbers by chopping them into equal parts.

Self-Description: I am two numbers you can multiply together to get another number.

Life Ambition: Finding the factors of the largest number ever known and chopping up all the multiples before they take over the world.

Interests:

- **Finding all the factors of zip codes.**
- **Destroying the multiples of the world one at a time because they keep rebuilding all the "cool" destruction caused by the Factor Ninjas.**
- **Teaching cooking classes at night teaching multiple monsters how to chop their numbers in equal parts to create scrumptious factor fudge cookies out of huge monster multiple mud pies.**

Free-Time Activity: Asking couples at the Ninja Night Club how much they each weigh and determining the greatest common factor of their weight.