Post-Lab Write Up

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Lab: #5 Least Common Denominator and Pascal's Triangle

1. Describe the process you went through to solve this problem (complete this lab)? 3 to 4 sentences should suffice.

For the Least Common Denominator, we considered different methods for finding LCD and settled on dividing the product of both denominators by the greatest common denominator. We first did this in iteration and then converted it to recursion.

For Pascal's triangle, we decided to use the nCr formula. We first worked on finding the correct values with iteration and formatting the result, then converted to iteration.

2. What went well in this process?

We're pretty good at figuring out how to solve problems with iteration.

3. What was challenging/difficult in this process?

Recursion isn't as intuitive as iteration, so figuring out how to use it was tough.

4. Think about a particular challenge that you faced in this lab. What was this challenge? How did you work past that challenge and overcome it?

Dividing the work on this project was difficult because it was small, so there weren't many tasks to break up. We all just worked on it when we had the time.

5. What will you do differently in the future to avoid/overcome these challenges?

Make a clear plan for who will do what beforehand.

6. What is something that you learned while working on this lab?

- **Iteration**
- **nCr formula**

7. How can what you learned in this lab be applied to the real world?

Recursion takes fewer lines to write than iteration, so it's the way to go if you want to use less space. Many online examples I've found on coding websites use recursion, so it's essential to understand how it works.

8. Are there any bugs in the code that you turned in? If so, what are they? Why did you not fix them? (e.g. lack of time, lack of knowledge, etc)

no