

Famous Numbers and Mathematicians

Now that you have better understanding of what integers, you will be doing a research assignment on famous numbers in mathematics, and the mathematicians who were involved in studying those numbers. You will be working in partners to complete this assignment. The goal of this assignment is for you to study some fascinating numbers that exist in nature, learn about great mathematicians of all times, and also to gain skills in researching for a specific information in the library.

What you'll need to do:

1. With your partner (who seats next to you), you'll be choosing one of the following topics
 - Pythagorean triplets (Pythagoras of Samos)
 - Fibonacci numbers (Leonardo Fibonacci)
 - Prime numbers (Eratosthenes)
 - Pascal's Triangle (Blaise Pascal)
 - π (Archimedes of Syracuse) ** Not an integer, but a VERY famous number...

2. Research the following:

Regarding the special number	Regarding the mathematician
Find the special number (diagram may work well here)	Full name, country of birth, era (time) when the mathematician lived
Describe the pattern	Profession (the main job)
How this number is used in real life OR Show example of this pattern being used	Accomplishments on this special number/pattern
Any other interesting facts about this number	Picture/portrait of the mathematician

You need at least 2 sources (where you found the information from) and 1 of the 2 must be from a book in the library. Make sure you are keeping track of the correct citation for all the books & online resources you are using for the assignment. Ms. Montroy, Ms. Parungao, and I will be showing you how to find resources efficiently. You will be handing in the bibliography of all the resources you have used.

3. With the gathered information, create a poster board. Make sure to include some visuals, examples, and try to minimize the amount of reading. Remember, you want to grab attention of the audience, so make the presentation attractive!

Names: _____ & _____

Checklist of things to do (/score)

Content:

- Example and diagram of the special number..... /2
- Explanation of the pattern of the special number..... /2
- Relationship of the number to nature/life..... /2
- Interesting fact about this number..... /2

- Background information of the mathematician (name, country, era) /3
- Short biography of the mathematician..... /2
- Contribution to studying the special number..... /2

- Works cited sheets..... /10

Poster/Presentation:

- Diagrams and explanation of the special number..... /2
- Summary of the mathematician's work..... /2

Participation Mark

- On-task, uses library time wisely..... /3

Total: 32 points

Comments: