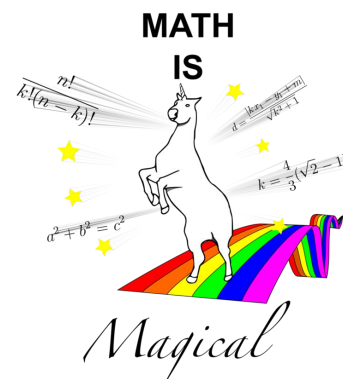


Uncovering The Magic Trick



Materials scholars will need:

All materials will be provided in class

Paper	small poster board to display student work and student created magic trick
Pencils	Index cards, post it notes for calculations, pictures, etc in order to make poster more attractive
Crayons	
Markers	

Directions:

1. Get your **Parent's signature**

_____ confirming you have shown them this project.

2. Solve the following Magic Number problem in your journal first

Steps	The Magic Number Trick
1	Choose any number
2	Multiply the number by 3
3	Add 20
4	Multiply by 2
5	Add 38
6	Divide by 6
7	Subtract your original number and Record your Answer

3. Then you solve it in your poster. Remember to include the calculations and **label the operation** you do and the **name of the result** in Greek. Refer to you notes from your Greek Math journal if you don't remember a word.

Example: (I multiply)
 πολλαπλασιάζω = 4704 γινόμενο (product)
 784 x 6

4. Answer the following questions: How the trick works? How is it possible for every person to have the same final answer regardless the number they picked?

Use models / symbols and algebra to explain

	Εικόνες	Άλγεβρα
Ο αριθμός μου		
$\times 3$		
$+ 20$		
$\times 2$		
$+ 38$		
$: 6$		
- ο αριθμός μου		

5. Now you are ready to create your own magic trick!!! Write the steps, solve it and include it in your poster.

Uncovering The Magic Trick

Rubric

Objectives	Points Possible	Points Earned
All calculations are listed accurately and done correctly	15	
Students' calculations need to be visible on the poster	15	
Greek vocabulary is listed and is accurate (name the operations and the results)	15	
A written explanation as to how the magic trick works is attached on the poster (Use models and algebra to explain)	15	
An original, student created Magic Number Trick is included (all steps are written) and solved correctly	25	
Oral presentation. The explanations are clear and thorough	10	
Project is neat, colored and labeled	2	
Student's name, the date, and their section are listed on the front of the project.	1	
The project was completed and turned in on time.	2	

EARNED _____/100 POINTS