



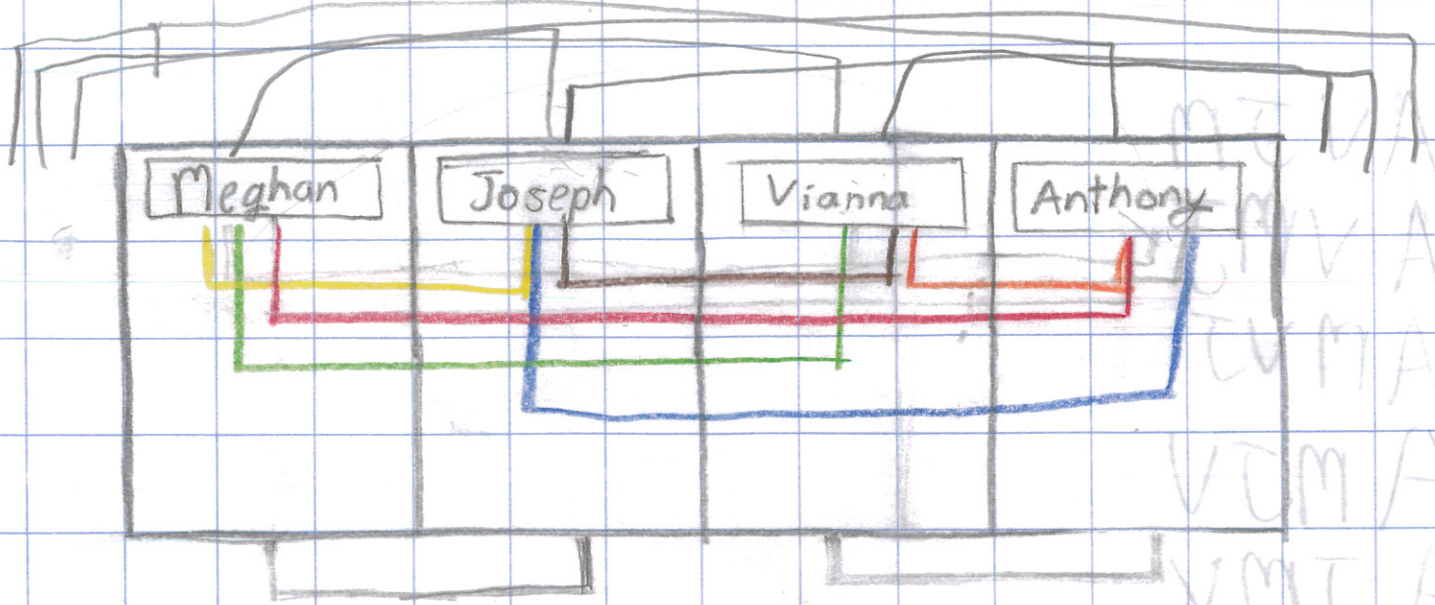
# Name Tags by

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1. You have to find out how many different ways their seats can be placed and how it would change if Meghan and Anthony's desks can only touch one desk.
2. First I, put the first letter of their names and put it down like M,J,A, or V.
3. Second I, put the other letters of their names and arranged them in a bunch of different ways like MJVA, JAMV, AVJM, and VMAJ.
4. Third I, did all of that, counted how many different ways, and got my answer of 24 for the first problem and 4 for the second problem.
5. 24 and 4
6. How I got my answer is, put down the first letter of their names, put down the other letters, and arranged them to get the answers of 24 and 4.

<u> Meghan </u>	<u> Joseph </u>	<u> Vianna </u>	<u> Anthony </u>
MJVA	JVMA	VAMJ	AVJM
MVAJ	JVAM	VAJM	AVMJ
MAJV	JAVM	VJAM	AMVJ
MAVJ	JAMV	VJMA	AMJV
MVJA	JMAV	VMJA	AJMV
MJAV	JMVA	VMAJ	AJVM

MVJA	MJVA	AVJM	AJVM
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M J V A  
 J V A  
 V M A  
 V M A  
 M V A

24 different ways

V A M J	M J V A	J V M A
V A J M	M V A J	J V A M
V J A M	M A J V	J A V M
V J M A	M A V J	J A M V
V M J A	M V J A	J M A V
V M A J	M J A V	J M V A